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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:47:23 ; Search time 15 Seconds

(without alignments)
973.150 Million cell updates/sec

Title: US-09-818-943-1

Perfect score: 1858
Sequence: 1 MSLEFGLLVTALAGORRGT.....DVALEHHECDVCVCRSGTGG 345

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

Issued Patents Aa.*
1: /cgn2_6/ptodata/1/iaa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PTUS.COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1851	99.6	345	US-09-040-220D-2	Sequence 2, Appli
2	1851	99.6	345	US-09-457-066-2	Sequence 2, Appli
3	1851	99.6	345	US-09-265-686-2	Sequence 2, Appli
4	1851	99.6	345	US-09-540-224-5	Sequence 5, Appli
5	1851	99.6	345	US-09-564-595D-33	Sequence 33, Appli
6	1851	99.6	345	US-09-706-968-2	Sequence 2, Appli
7	1664	89.6	345	US-09-457-066-43	Sequence 43, Appli
8	1664	89.6	345	US-09-564-595D-35	Sequence 35, Appli
9	1664	89.6	345	US-09-706-968-43	Sequence 43, Appli
10	1325	71.3	302	US-09-564-595D-54	Sequence 54, Appli
11	1266.5	68.2	303	US-09-564-595D-57	Sequence 57, Appli
12	1098	59.1	316	US-09-564-595D-55	Sequence 55, Appli
13	1051.5	56.6	317	US-09-564-595D-56	Sequence 56, Appli
14	741.5	39.9	370	US-09-457-066-37	Sequence 37, Appli
15	741.5	39.9	370	US-09-540-224-2	Sequence 2, Appli
16	741.5	39.9	370	US-09-564-595D-2	Sequence 2, Appli
17	741.5	39.9	370	US-09-706-968-37	Sequence 37, Appli
18	737.5	39.7	370	US-09-540-224-4	Sequence 4, Appli
19	737.5	39.7	370	US-09-564-595D-53	Sequence 53, Appli
20	173	9.3	3623	US-09-341-461-2	Sequence 2, Appli
21	172.5	9.3	730	US-08-872-757-2	Sequence 2, Appli
22	172.5	9.3	730	US-08-850-048A-2	Sequence 2, Appli
23	172	9.3	1012	US-09-285-385C-4	Sequence 2, Appli
24	171	9.2	1015	US-09-285-385C-4	Sequence 2, Appli
25	169	9.1	788	US-08-572-225-1	Sequence 1, Appli
26	169	9.1	986	US-09-285-385C-19	Sequence 19, Appli
27	164.5	8.9	909	US-08-936-135-18	Sequence 18, Appli

28	164.5	8.9	926	US-08-936-135-20	Sequence 20, Appli
29	163.5	8.8	922	US-09-116-473-4	Sequence 4, Appli
30	163	8.8	101	US-09-374-135-6	Sequence 6, Appli
31	163	8.8	925	US-09-116-473-2	Sequence 2, Appli
32	160.5	8.6	901	US-08-936-135-22	Sequence 22, Appli
33	160.5	8.6	906	US-08-936-135-24	Sequence 24, Appli
34	160.5	8.6	909	US-08-936-135-8	Sequence 8, Appli
35	160.5	8.6	909	US-08-936-135-10	Sequence 10, Appli
36	160.5	8.6	914	US-08-936-135-12	Sequence 12, Appli
37	160.5	8.6	923	US-08-936-135-6	Sequence 6, Appli
38	160.5	8.6	926	US-08-936-135-14	Sequence 14, Appli
39	160.5	8.6	931	US-08-936-135-16	Sequence 16, Appli
40	158.5	8.5	111	US-09-341-461-30	Sequence 30, Appli
41	156	8.4	986	US-08-872-757-4	Sequence 4, Appli
42	156	8.4	986	US-09-850-048A-4	Sequence 4, Appli
43	154	8.3	449	US-08-839-008-2	Sequence 2, Appli
44	154	8.3	449	US-08-839-008-9	Sequence 9, Appli
45	153	8.2	415	US-09-032-523-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-040-220D-2
; Sequence 2, Application US/09040220D
; Patent No. 6391311
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Napoleone
; TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
; TITLE OF INVENTION: ENDOHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC
; TITLE OF INVENTION: PROTEIN 1 AND NUCLEAR ACIDS ENCODING SAME, THEIR USES,
; FILE REFERENCE: P1122
; CURRENT APPLICATION NUMBER: US/09/040,220D
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-040-220D-2

Query Match	Score	DB 4;	Length	345;
Best Local Similarity	99.4%	Pred. No. 6.7e-193;		
Matches	343;	Conservative	2;	Mismatches 0;
Indels	0;	Gaps	0;	
Qy	1	MSLEFGLLVTALAGORRGTQAESNLSPKQFQSNKEONGVODPOHERITTVTNGSIHS	60	
Db	1	MSLEFGLLVTALAGORRGTQAESNLSPKQFQSNKEONGVODPOHERITTVTNGSIHS	60	
Qy	61	PREPPTVPRNTVLVWRLVAEENVMIOQLTDERFGLEDPEBDICXYDFVEEPPSDGTTIL	120	
Db	61	PREPPTVPRNTVLVWRLVAEENVMIOQLTDERFGLEDPEBDICXYDFVEEPPSDGTTIL	120	
Qy	121	GRNGSGTGVGKQISKNQRIIRFVSDYRSPGCIHINIMPOFTAVSVSLPPSA	180	
Db	121	GRNGSGTGVGKQISKNQRIIRFVSDYRSPGCIHINIMPOFTAVSVSLPPSA	180	
Qy	121	GRNGSGTGVGKQISKNQRIIRFVSDYRSPGCIHINIMPOFTAVSVSLPPSA	180	
Db	121	GRNGSGTGVGKQISKNQRIIRFVSDYRSPGCIHINIMPOFTAVSVSLPPSA	180	
Qy	181	LPDLINNAITASTLEDLIRYLEPERWOLDLIDVLPFTQGLGKAFVFGKSRVVDNL	240	
Db	181	LPDLINNAITASTLEDLIRYLEPERWOLDLIDVLPFTQGLGKAFVFGKSRVVDNL	240	
Qy	241	LYEEVRLYSTPNNFVSIRBELKRTDTTFWPGCLLVKRCGACCLANCCOCVPSK	300	
Db	241	LYEEVRLYSTPNNFVSIRBELKRTDTTFWPGCLLVKRCGACCLANCCOCVPSK	300	
Qy	301	VTKKYEVLQLRPTGVGRLKSLITVALHHEHCCVCGSGTGG	345	
Db	301	VTKKYEVLQLRPTGVGRLKSLITVALHHEHCCVCGSGTGG	345	

RESULT 2
US-09-457-066-2
Sequence 2, Application US/09457066
Patent No. 6432673
GENERAL INFORMATION:
APPLICANT: Gao, Zeren
APPLICANT: Hart, Charles E.
APPLICANT: Piddington, Christopher S.
APPLICANT: Sheppard, Paul O.
APPLICANT: Shemmaker, Kimberly E.
APPLICANT: Gilbertson, Debra G.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
FILE REFERENCE: 98-60
CURRENT APPLICATION NUMBER: US/09/457,066
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-457-066-2

Query Match 99.6%; Score 1851; DB 4; Length 345;
Best Local Similarity 99.4%; Pred. No. 6,7e-193;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
CY 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
DB 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
CY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
CY 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
DB 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
CY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240
DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240
CY 241 LTBREVLVYSCTPRNFSVSIRELKRDTDTI FWPGLLVKRCGNCACCLHNCNCCVPSK 300
DB 241 LTBREVLVYSCTPRNFSVSIRELKRDTDTI FWPGLLVKRCGNCACCLHNCNCCVPSK 300
CY 301 VTKKYEVLQLRPKTVGRGLHKSLLTDVALHHEECDCVCGRSTGG 345
DB 301 VTKKYEVLQLRPKTVGRGLHKSLLTDVALHHEECDCVCGRSTGG 345

RESULT 3
US-09-265-686-2
Sequence 2, Application US/09265686
Patent No. 6453283
GENERAL INFORMATION:
APPLICANT: Ferrara, Napoleone
APPLICANT: Kuo, Sophia S.
TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1
FILE REFERENCE: P11292
CURRENT APPLICATION NUMBER: US/09/265,686
CURRENT FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: US 09/040,220
PRIOR FILING DATE: 1998-03-17
PRIOR APPLICATION NUMBER: US 09/184,216
PRIOR FILING DATE: 1998-11-02
NUMBER OF SEQ ID NOS: 8
SEQ ID NO 2
LENGTH: 345
TYPE: PRT
ORGANISM: Human

US-09-265-686-2
Query Match 99.6%; Score 1851; DB 4; Length 345;
Best Local Similarity 99.4%; Pred. No. 6,7e-193;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

CY 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
DB 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
CY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
CY 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
DB 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
CY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240
DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240
CY 241 LTBREVLVYSCTPRNFSVSIRELKRDTDTI FWPGLLVKRCGNCACCLHNCNCCVPSK 300
DB 241 LTBREVLVYSCTPRNFSVSIRELKRDTDTI FWPGLLVKRCGNCACCLHNCNCCVPSK 300
CY 301 VTKKYEVLQLRPKTVGRGLHKSLLTDVALHHEECDCVCGRSTGG 345
DB 301 VTKKYEVLQLRPKTVGRGLHKSLLTDVALHHEECDCVCGRSTGG 345

RESULT 4
US-09-540-224-5
Sequence 5, Application US/09540224
Patent No. 6468543
GENERAL INFORMATION:
APPLICANT: Gilbertson, Debra G.
APPLICANT: Hart, Charles E.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
FILE REFERENCE: 00-28
CURRENT APPLICATION NUMBER: US/09/540,224
CURRENT FILING DATE: 2000-03-31
EARLIER APPLICATION NUMBER: US 60/180,169
EARLIER FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-540-224-5

Query Match 99.6%; Score 1851; DB 4; Length 345;
Best Local Similarity 99.4%; Pred. No. 6,7e-193;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

CY 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
DB 1 MSLEGLLVTLSALAGRGTOAESNLSKFOFSNKEONGVDPQHERITITVSTNGSIHS 60
CY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
CY 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
DB 121 GRMGSGTVPGKQISGNQIRIRFVSDEYPPSPGFCIHNYIMPOFTEAVSPSVLPSPA 180
CY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240
DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELVRPTWQLGKAFVGRKSRVVDLNL 240


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Qy 1 MSLEGLLVTSAAGORRGTOAESNLSSKQFSSNKEONGVODPOHERIITVSTNGSIHS 60
Db 1 MLLGLLLTSALAGQGTGTAESNLSSKQLSSDKQNGVODPRHRRVVTISNGSIHS 60
Qy 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Db 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Qy 121 GRMGSGTVPGKQISKGNQIRIRFVSDYPPSEBGFCHINYIMVPOFTEAVSPVLPSSA 180
Db 121 GRMGSGTVPGKQISKGNHIRIRFVSDYPPSEBGFCHINISIMPQVETTSFVLPSS 180
Qy 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Db 181 LSLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Qy 241 LTERVRLYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Db 241 LKEEVKLKYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Qy 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345
Db 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345

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RESULT 8
US-09-564-595D-35
Sequence 35, Application US/09564595D
Patent No. 6495668

```

GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles B.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
PRIOR FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 35
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-09-564-595D-35

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Query Match 89.6%; Score 1664; DB 4; Length 345;
Best Local Similarity 86.7%; Pred. No. 1.5e-172;

Matches 299; Conservative 28; Mismatches 18; Indels 0; Gaps 0;

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Qy 1 MSLEGLLVTSAAGORRGTOAESNLSSKQFSSNKEONGVODPOHERIITVSTNGSIHS 60
Db 1 MLLGLLLTSALAGQGTGTAESNLSSKQLSSDKQNGVODPRHRRVVTISNGSIHS 60
Qy 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Db 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Qy 121 GRMGSGTVPGKQISKGNQIRIRFVSDYPPSEBGFCHINYIMVPOFTEAVSPVLPSSA 180
Db 121 GRMGSGTVPGKQISKGNHIRIRFVSDYPPSEBGFCHINISIMPQVETTSFVLPSS 180
Qy 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Db 181 LSLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Qy 241 LTERVRLYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Db 241 LKEEVKLKYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300

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Db 241 LKEEVKLKYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Qy 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345
Db 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345

```

RESULT 9
US-09-706-968-43

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Sequence 43, Application US/09706968
Patent No. 6528050
GENERAL INFORMATION:
APPLICANT: Gao, Zeren
APPLICANT: Hart, Charles B.
APPLICANT: Piddington, Christopher S.
APPLICANT: Sheppard, Paul O.
APPLICANT: Shoemaker, Kimberly E.
APPLICANT: Gilbertson, Debora G.
APPLICANT: West, James W.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA
FILE REFERENCE: 98-60C1
CURRENT APPLICATION NUMBER: US/09/706,968
PRIOR FILING DATE: 2000-11-06
PRIOR APPLICATION NUMBER: US/09/541,752
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-09-706-968-43

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Query Match 89.6%; Score 1664; DB 4; Length 345;
Best Local Similarity 86.7%; Pred. No. 1.5e-172;

Matches 299; Conservative 28; Mismatches 18; Indels 0; Gaps 0;

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Qy 1 MSLEGLLVTSAAGORRGTOAESNLSSKQFSSNKEONGVODPOHERIITVSTNGSIHS 60
Db 1 MLLGLLLTSALAGQGTGTAESNLSSKQLSSDKQNGVODPRHRRVVTISNGSIHS 60
Qy 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Db 61 PRPHYTPRYTVLWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
Qy 121 GRMGSGTVPGKQISKGNQIRIRFVSDYPPSEBGFCHINYIMVPOFTEAVSPVLPSSA 180
Db 121 GRMGSGTVPGKQISKGNHIRIRFVSDYPPSEBGFCHINISIMPQVETTSFVLPSS 180
Qy 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Db 181 LSLDLNNAITAFSTLEDLIRYLEPERWQDLSDLYRPTWQLGKAFVFGKRSVVDLNT 240
Qy 241 LTERVRLYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Db 241 LKEEVKLKYSCTPRNFVSIRBELKRTDTTFMPGCLVKGCGNACCLHNCBQCVPK 300
Qy 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345
Db 301 VTKKYHEVLOLRPKTVGKGLKSLTDVALHHEBCDCVCKGNAGG 345

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RESULT 10

US-09-564-595D-54
Sequence 54, Application US/09564595D
Patent No. 6495668

```

GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles B.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA
FILE REFERENCE: 99-19

```

CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 54
LENGTH: 302
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fusion polypeptide
US-09-564-595D-54

Query Match 71.3%; Score 1325; DB 4; Length 302;
Best Local Similarity 82.8%; Pred. No. 9,6e-116;
Matches 246; Conservative 14; Mismatches 33; Indels 4; Gaps 2;

QY 46 HERITVSTNGSIHSPRPHTYPRNTVLMRLVAEENWMIQLTDFERFGLDEDDICK 105
DB 1 HERITVSTNGSIHSPRPHTYPRNTVLMRLVAEENWMIQLTDFERFGLDEDDICK 60
QY 106 YDFVEVEBPSDGTILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 165
DB 61 YDFVEVEBPSDGTILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 120
QY 166 QFTAVBPSVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTMOLIGK 225
DB 121 QFTAVBPSVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTMOLIGK 180
QY 226 AFVFGKRSRVVDLNLTEEVRLYSCTPRNFVSIRBELKRTDTIFWPGCLLVKRCG 285
DB 181 AFVFGKRSRVVDLNLTEEVRLYSCTPRNFVSIRBELKRTDTIFWPGCLLVKRCG 239
QY 286 CCLANNCNCCQVPSKTKYKHEVLOLRP--KTGVRGHSKLTVDVALEHHEECDCVCG 339
DB 240 CCLANNCNCCQVPSKTKYKHEVLOLRP--KTGVRGHSKLTVDVALEHHEECDCVCG 296

RESULT 11

US-09-564-595D-57
Sequence 57, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 57
LENGTH: 303
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fusion polypeptide
US-09-564-595D-57

Query Match 68.2%; Score 1266.5; DB 4; Length 303;
Best Local Similarity 78.9%; Pred. No. 2.2e-129;

Matches 240; Conservative 24; Mismatches 33; Indels 7; Gaps 4;

QY 47 ERITVSTNGSIHSPRPHTYPRNTVLMRLVAEENWMIQLTDFERFGLDEDDICK 106
DB 2 DETIQKNGYGVSPFPNSYPNNLLTWRLHS-QENTRLQVDFVQFGLSEANDICRY 60
QY 107 DFVEVEBPSDGT--ILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 164
DB 61 DFVEVEBPSDGTITILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 119
QY 165 POFTEA---VSPVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTM 221
DB 120 EDFQPAASVSPVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTM 179
QY 222 LIGKAVFGKRSRVVDLNLTEEVRLYSCTPRNFVSIRBELKRTDTIFWPGCLLVKRCG 281
DB 180 LIGKAVFGKRSRVVDLNLTEEVRLYSCTPRNFVSIRBELKRTDTIFWPGCLLVKRCG 239
QY 282 GNCACCLANNCNCCQVPSKTKYKHEVLOLRPNTGVRGLHSKLTVDVALEHHEECDCVCG 341
DB 240 GNCACCLANNCNCCQVPSKTKYKHEVLOLRPNTGVRGLHSKLTVDVALEHHEECDCVCG 299
QY 342 STGG 345
DB 300 STGG 303

RESULT 12

US-09-564-595D-55
Sequence 55, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 55
LENGTH: 316
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fusion polypeptide
US-09-564-595D-55

Query Match 59.1%; Score 1098; DB 4; Length 316;
Best Local Similarity 67.1%; Pred. No. 5.2e-111;
Matches 210; Conservative 26; Mismatches 55; Indels 22; Gaps 5;

QY 46 HERITVSTNGSIHSPRPHTYPRNTVLMRLVAEENWMIQLTDFERFGLDEDDICK 105
DB 1 HERITVSTNGSIHSPRPHTYPRNTVLMRLVAEENWMIQLTDFERFGLDEDDICK 60
QY 106 YDFVEVEBPSDGTILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 165
DB 61 YDFVEVEBPSDGTILGRMGSGTVPGKQISKNOIRIRFVSDDEYFSPGFCIHYNIVMP 120
QY 166 QFTAVBPSVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTMOLIGK 225
DB 121 QFTAVBPSVLPSPALPLDLNNATIAFSTLEDLIRYLEPERMQLDEDLRYPTMOLIGK 179
QY 210 LDEDLRYPTMOLIGKAVFGKRSRVVDLNLTEEVRLYSCTPRNFVSIRBELKRTDTI 269

Db 180 EDLEMTLDPRTYGRSY-HDRKSK-VDLRLNDAKRYSCPTPNYSVINBELKANV 237
 QY 270 FWPGLLVKRGCGACCLAHNCBCCVPSKVTKYHEVQLRP---KTGYRGLHSLYTD 326
 Db 238 FFPRLCLVVRGCGGCGGTVMWRSCTGNSGKTVKKYHVLQFBGHIIRBRATMALVLD 297
 QY 327 VALEHHEECDCVC 339
 Db 298 IOLDHHERCDIC 310

RESULT 13

US-09-564-595D-56
 ; Sequence 56, Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles B.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 ; FILE REFERENCE: 99-19
 ; CURRENT APPLICATION NUMBER: US/09/564,595D
 ; CURRENT FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 09/304,216
 ; PRIOR FILING DATE: 1999-05-03
 ; PRIOR APPLICATION NUMBER: US 60/164,463
 ; PRIOR FILING DATE: 1999-11-10
 ; PRIOR APPLICATION NUMBER: US 60/180,169
 ; PRIOR FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 56
 ; LENGTH: 317
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: fusion polypeptide
 US-09-564-595D-56

Query Match 56.6%; Score 1051.5; DB 4; Length 317;
 Best Local Similarity 63.8%; Pred. No. 66-106;
 Matches 204; Conservative 36; Mismatches 55; Indels 25; Gaps 6;

QY 47 ERITVSTNGSIHSPRPHTTPTNTVLVWLVAEENWVQLTDPERFGLDPEDDICKY 106
 Db 2 DETIOVKNKGTVOSBPFPNSYPRNMLLTWRHLS-OENTFIOLVFNDQGLEAEADICRY 60
 QY 107 DFVEVBERPDGT--ILGRWCGSGTVPGKQISKNOIRIFVSDPEPSEPCIHNYIMV 164
 Db 61 DFVEVEDISERTTIRGRWCHKEVPPIKSRINOIKITPKSDDYFAKPGPKLYSL-L 119
 QY 165 POFTEAV-----SPSVLPSPALPLDNLNNAITAFSTJEDLIRYLEP 205
 Db 120 EDFQPAASETWNBSVTSISGVSYSVDPT-LIADALDKIAEDDTJEDLAKYFNP 178
 QY 206 ERWQDLEDLRYPTMQLGKAFVGRKSRVVDNLITVEVRLYSTPNNFSVSIREEIKR 265
 Db 179 ESMQEDLENMTLDPRTYGRSY-HDRKSKVVDLNLITHEVRLYSTPNNFSVSIREEIKR 237
 QY 266 TDTLFWPGLLVKRGCGACCLAHNCBCCVPSKVTKYHEVQLRP---KTGYRGLHSLYTD 325
 Db 238 TDTLFWPGLLVKRGCGACCLAHNCBCCVPSKVTKYHEVQLRP---KTGYRGLHSLYTD 297
 QY 326 DVALEHHEECDCVCGRSGTG 345
 Db 298 DVALEHHEECDCVCGRSGTG 317

RESULT 14

US-09-457-066-37
 ; Sequence 37, Application US/09457066
 ; Patent No. 6432673
 ; GENERAL INFORMATION:

APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: West, James W.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/09/457,066
 ; CURRENT FILING DATE: 1999-12-07
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 37
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-457-066-37

Query Match 39.9%; Score 741.5; DB 4; Length 370;
 Best Local Similarity 43.6%; Pred. No. 4,1e-72;
 Matches 159; Conservative 59; Mismatches 114; Indels 33; Gaps 10;

QY 3 LEGLLVTSALAGRGRTQASNLISKFQSSN--KEONGVOD-PQHERIITVSTNGSI 58
 Db 5 IFVYTLICANFSCSDTSATPQASIKALRNANLRDESNTLTDLYRDETIQVKGNGYV 64
 QY 59 HSPRPHTTPTNTVLVWLVAEENWVQLTDPERFGLDPEDDICKYDFVEVBERPDGT 118
 Db 65 QSPRPNSYPRNMLLTWRHLS-OENTFIOLVFNDQGLEAEADICRYDFVEVEDISERT 123
 QY 119 --ILGRWCGSGTVPGKQISKNOIRIFVSDPEPSEPCIHNYIMVPOFTEAV----- 171
 Db 124 TIIRGRWCHKEVPPIKSRINOIKITPKSDDYFAKPGPKLYSL-L 182
 QY 172 -----SPSVLPSPALPLDNLNNAITAFSTJEDLIRYLEP 217
 Db 183 WESYTSISGVSYSVDPT-LIADALDKIAEDDTJEDLAKYFNP 241
 QY 218 PTWQLGKAFVGRKSRVVDNLITVEVRLYSTPNNFSVSIREEIKR 277
 Db 242 DTPRYRGRSY-HDRKSK-VDLRLNDAKRYSCPTPNYSVINBELKANVFPRLCLV 299
 QY 278 KRCGNGACCLAHNCBCCVPSKVTKYHEVQLRP---KTGYRGLHSLYTDVALEHHEE 334
 Db 300 QRCGNGCGGTVMWRSCTGNSGKTVKKYHVLQFBGHIIRBRATMALVLDIHDHHR 359
 QY 335 CDCVC 339
 Db 360 CDCIC 364

RESULT 15

US-09-540-224-2
 ; Sequence 2, Application US/09540224
 ; Patent No. 6468543
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: Hart, Charles B.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
 ; FILE REFERENCE: 00-28
 ; CURRENT APPLICATION NUMBER: US/09/540,224
 ; CURRENT FILING DATE: 2000-03-31
 ; EARLIER APPLICATION NUMBER: US 60/180,169
 ; EARLIER FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-540-224-2

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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:49:23 / Search time 27 Seconds

(Without alignments)
2376.458 Million cell updates/sec

Title: US-09-818-943-1

Perfect score: 1858
Sequence: 1 MSIFGLLVTSALAGRGRT.....DVALFHHBCDCVCRSGTGC 345Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications AA:
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8: /cgn2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubppaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1858	100.0	345	US-09-818-943-1	Sequence 1, Appl
2	1858	100.0	345	US-09-852-209A-3	Sequence 3, Appl
3	1858	100.0	345	US-10-086-623-32	Sequence 32, Appl
4	1858	100.0	345	US-10-260-539-32	Sequence 32, Appl
5	1858	99.6	345	US-10-131-600-3	Sequence 3, Appl
6	1851	99.6	345	US-09-823-033-2	Sequence 2, Appl
7	1851	99.6	345	US-09-923-995-4	Sequence 4, Appl
8	1851	99.6	345	US-09-795-006A-19	Sequence 149, App
9	1851	99.6	345	US-09-978-295A-488	Sequence 488, App
10	1851	99.6	345	US-09-978-697-488	Sequence 488, App
11	1851	99.6	345	US-09-978-192A-488	Sequence 488, App
12	1851	99.6	345	US-09-999-833A-488	Sequence 488, App
13	1851	99.6	345	US-09-999-832A-488	Sequence 488, App
14	1851	99.6	345	US-09-978-189-488	Sequence 488, App
15	1851	99.6	345	US-09-976-753-6	Sequence 6, Appl
				US-09-978-608A-488	Sequence 488, App

16	1851	99.6	345	US-09-978-585A-488	Sequence 488, App
17	1851	99.6	345	US-09-978-191A-488	Sequence 488, App
18	1851	99.6	345	US-09-978-403A-488	Sequence 488, App
19	1851	99.6	345	US-09-978-564A-488	Sequence 488, App
20	1851	99.6	345	US-09-999-833A-488	Sequence 488, App
21	1851	99.6	345	US-09-981-915A-488	Sequence 488, App
22	1851	99.6	345	US-09-978-824-488	Sequence 488, App
23	1851	99.6	345	US-09-918-585A-488	Sequence 488, App
24	1851	99.6	345	US-09-978-423A-488	Sequence 488, App
25	1851	99.6	345	US-09-978-193A-488	Sequence 488, App
26	1851	99.6	345	US-09-999-830A-488	Sequence 488, App
27	1851	99.6	345	US-09-978-757A-488	Sequence 488, App
28	1851	99.6	345	US-09-978-187B-488	Sequence 488, App
29	1851	99.6	345	US-09-978-643A-488	Sequence 488, App
30	1851	99.6	345	US-09-978-375A-488	Sequence 488, App
31	1851	99.6	345	US-09-978-188A-488	Sequence 488, App
32	1851	99.6	345	US-10-137-870-286	Sequence 286, App
33	1851	99.6	345	US-10-140-018-286	Sequence 286, App
34	1851	99.6	345	US-10-140-021-286	Sequence 286, App
35	1851	99.6	345	US-10-140-024-286	Sequence 286, App
36	1851	99.6	345	US-10-140-471-286	Sequence 286, App
37	1851	99.6	345	US-10-140-807-286	Sequence 286, App
38	1851	99.6	345	US-10-140-922-286	Sequence 286, App
39	1851	99.6	345	US-10-140-924-286	Sequence 286, App
40	1851	99.6	345	US-10-140-926-286	Sequence 286, App
41	1851	99.6	345	US-10-140-928-286	Sequence 286, App
42	1851	99.6	345	US-10-141-698-286	Sequence 286, App
43	1851	99.6	345	US-10-141-702-286	Sequence 286, App
44	1851	99.6	345	US-10-141-704-286	Sequence 286, App
45	1851	99.6	345	US-10-142-421-286	Sequence 286, App

ALIGNMENTS

RESULT 1
US-09-818-943-1
; Sequence 1, Application US/09818943
; Patent No. US2002004987A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: Li, Xuli
; APPLICANT: PONTEN, Annika
; APPLICANT: MARS, Karin
; APPLICANT: Li, Hong
; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F.
; FILE REFERENCE: 1064/48487
; CURRENT APPLICATION NUMBER: US/09/818,943
; CURRENT FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/192,507
; PRIOR FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent version 3.0
; SEQ ID NO 1
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-818-943-1
Query Match 100.0%; Score 1858; DB 9; Length 345;
Best local similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSIFGLLVTSALAGRGRTQASNTSSKFPSSNTEONGVODPOHERITTVSTNGSIHS 60
DB 1 MSIFGLLVTSALAGRGRTQASNTSSKFPSSNTEONGVODPOHERITTVSTNGSIHS 60
QY PREPHTYPTVTVWTLVVEENWVIOLEPDEREGLEDEDDICXIDPVEVEPSDGTIL 120
DB PREPHTYPTVTVWTLVVEENWVIOLEPDEREGLEDEDDICXIDPVEVEPSDGTIL 120
QY 121 GRWCGSTVPGKQISKGNQIRIRFVSDVEYFPPSPGFCIHYNIVMPQFTEAVSPSVLPSPA 180

Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSPSGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Qy 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHHEBCDVCVCGSTGG 345
Db 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHHEBCDVCVCGSTGG 345

RESULT 2

US-09-852-209A-3
Sequence 3, Application US/09852209A
Patent No. US20020164687A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: LEE, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: DUTELA, Marko
APPLICANT: ALITALO, Karl
APPLICANT: OESTMAN, Arne
APPLICANT: HELDIN, Carl-Henrik
APPLICANT: BETHSOLTZ, Christer
TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
CURRENT APPLICATION NUMBER: US/09/852,209A
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/410,349
PRIOR FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: 60/110,749
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: 60/113,002
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 60/135,426
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/144,022
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-852-209A-3

Query Match 100.0%; Score 1858; DB 10; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSIFGLLVTSALAGRGTOAESNLSKFOFSSNKGQVODPOHERIITVSTNGSIHS 60
Db 1 MSIFGLLVTSALAGRGTOAESNLSKFOFSSNKGQVODPOHERIITVSTNGSIHS 60
Qy 61 PRPHITPRNTVYLVWLVAVVENWVQLTFDERFGLEDDEDDICKYDFVEVEEPPSDGTL 120
Db 61 PRPHITPRNTVYLVWLVAVVENWVQLTFDERFGLEDDEDDICKYDFVEVEEPPSDGTL 120
Qy 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSPSGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSPSGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300

Qy 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Qy 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHHEBCDVCVCGSTGG 345
Db 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHHEBCDVCVCGSTGG 345

RESULT 3

US-10-086-623-32
Sequence 32, Application US/10086623
Publication No. US20020164710A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: LI, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: DUTELA, Marko
APPLICANT: ALITALO, Karl
APPLICANT: OESTMAN, Arne
APPLICANT: HELDIN, Carl-Henrik
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
FILE REFERENCE: 1064/4483302
CURRENT APPLICATION NUMBER: US/10/086,623
PRIOR FILING DATE: 2000-03-04
PRIOR APPLICATION NUMBER: US 60/107,852
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: US 60/113,997
PRIOR FILING DATE: 1998-12-28
PRIOR APPLICATION NUMBER: US 60/150,604
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR FILING DATE: 1999-10-04
PRIOR APPLICATION NUMBER: US 60/157,756
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: US 09/438,046
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 09/591,200
PRIOR FILING DATE: 2000-10-19
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn version 3.1
SEQ ID NO 32
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc:feature
OTHER INFORMATION: Amino acid sequence for PDGF-C
US-10-086-623-32

Query Match 100.0%; Score 1858; DB 14; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSIFGLLVTSALAGRGTOAESNLSKFOFSSNKGQVODPOHERIITVSTNGSIHS 60
Db 1 MSIFGLLVTSALAGRGTOAESNLSKFOFSSNKGQVODPOHERIITVSTNGSIHS 60
Qy 61 PRPHITPRNTVYLVWLVAVVENWVQLTFDERFGLEDDEDDICKYDFVEVEEPPSDGTL 120
Db 61 PRPHITPRNTVYLVWLVAVVENWVQLTFDERFGLEDDEDDICKYDFVEVEEPPSDGTL 120
Qy 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSPSGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSPSGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRERVLVYCTPRNFVSIRBELKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300

Db 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300
QY 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345
Db 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345

RESULT 4

US-10-260-539-32
; Sequence 32, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: Li, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UTEHLA, Marko
; APPLICANT: ALITALO, Karl
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES THEREOF
; FILE REFERENCE: 1064/44833C2
; CURRENT APPLICATION NUMBER: US/10/260,539
; TITLE OF INVENTION: THEREFOR, AND USES THEREOF
; FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
; CURRENT APPLICATION NUMBER: US/10/131,600
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/410,349
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/108,109
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/110,749
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 60/113,002
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/135,426
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/144,022
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: misc feature
; OTHER INFORMATION: Amino acid sequence for PDGF-C
US-10-260-539-32

Query Match 100.0%; Score 1858; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGORRGTQAESNLSSKQFSSNKEQNVQDPQHERIITVSTNGSIHS 60
Db 1 MSLEGLLVTSALAGORRGTQAESNLSSKQFSSNKEQNVQDPQHERIITVSTNGSIHS 60
QY 61 PRPHHTYPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
Db 61 PRPHHTYPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
QY 121 GRWGSSTVPGKQISKQNOIRIRFVSDEYFSPBGFCHINYIWPQTEAVSPSVLPESA 180
Db 121 GRWGSSTVPGKQISKQNOIRIRFVSDEYFSPBGFCHINYIWPQTEAVSPSVLPESA 180
QY 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTQQLGKAFVFGKRSVVDLNT 240
Db 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTQQLGKAFVFGKRSVVDLNT 240
QY 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300
Db 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300

Db 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300
QY 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345
Db 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345

RESULT 5

US-10-131-600-3
; Sequence 3, Application US/10131600
; Publication No. US20030082670A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LEE, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UTEHLA, Marko
; APPLICANT: ALITALO, Karl
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; APPLICANT: BERTSHOLTZ, Christer
; TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING THEREFOR, AND USES THEREOF
; FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
; CURRENT APPLICATION NUMBER: US/10/131,600
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/410,349
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/108,109
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/110,749
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 60/113,002
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/135,426
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/144,022
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-131-600-3

Query Match 100.0%; Score 1858; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGORRGTQAESNLSSKQFSSNKEQNVQDPQHERIITVSTNGSIHS 60
Db 1 MSLEGLLVTSALAGORRGTQAESNLSSKQFSSNKEQNVQDPQHERIITVSTNGSIHS 60
QY 61 PRPHHTYPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
Db 61 PRPHHTYPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
QY 121 GRWGSSTVPGKQISKQNOIRIRFVSDEYFSPBGFCHINYIWPQTEAVSPSVLPESA 180
Db 121 GRWGSSTVPGKQISKQNOIRIRFVSDEYFSPBGFCHINYIWPQTEAVSPSVLPESA 180
QY 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTQQLGKAFVFGKRSVVDLNT 240
Db 181 LPLDLNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTQQLGKAFVFGKRSVVDLNT 240
QY 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300
Db 241 LTBVRLVSCPTPRNFVSIRBELKRTDTIFWPGCLLVKRCGACCACTHNCBQCVPK 300
QY 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345
Db 301 VTKKYHEVLQLRPTGVRGLHKSITDVALHHEBCDCVCRGSTG 345

RESULT 6
US-09-823-033-2
Sequence 2, Application US/09823033
Patent No. US20020004225A1
GENERAL INFORMATION:
APPLICANT: Hart, Charles E.
APPLICANT: Gilbertson, Debra G.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
TITLE OF INVENTION: LIGAMENT AND CARTILAGE
FILE REFERENCE: 00-112
CURRENT APPLICATION NUMBER: US/09/823,033
CURRENT FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 345
TYPE: PRF
ORGANISM: Homo sapiens
US-09-823-033-2

Query Match 99.6%; Score 1851; DB 9; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
QY 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300
DB 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300
QY 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345
DB 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345

RESULT 7
US-09-923-995-4
Sequence 4, Application US/09923995
Patent No. US20020081700A1
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE ZSNK1
FILE REFERENCE: 00-47
CURRENT APPLICATION NUMBER: US/09/923,995
CURRENT FILING DATE: 2001-08-07
PRIOR APPLICATION NUMBER: US 60/223,164
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 345
TYPE: PRF
ORGANISM: Homo sapiens
US-09-923-995-4

Query Match 99.6%; Score 1851; DB 9; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;

Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
QY 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300
DB 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300
QY 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345
DB 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345

RESULT 8
US-09-795-006A-149
Sequence 149, Application US/09795006A
Patent No. US20020151680A1
GENERAL INFORMATION:
APPLICANT: Alltalo et al
TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
FILE REFERENCE: 28967/35977B
CURRENT APPLICATION NUMBER: US/09/795,006A
PRIOR APPLICATION NUMBER: US 60/205,331
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/185,205
PRIOR FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 175
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 149
LENGTH: 345
TYPE: PRF
ORGANISM: Homo sapiens
US-09-795-006A-149

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDERFGLEDPEDDICKYDFVEEBSDDTIL 120
QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYPSRPGCFIHNIWMPOTEAVSVPSPSA 180
QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKSRVVDLNL 240
QY 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300
DB 241 LTRVRLYSCIPRNFVSIRBELKRTDTIIPWGLLVKRCGACCLAHNCNQCVPSPK 300

QY 301 VTKKHVLTQRPCTGVGRLHKSJLTVALHHEHCDCVCRGSGTG 345
DB 301 VTKKHVLTQRPCTGVGRLHKSJLTVALHHEHCDCVCRGSGTG 345

RESULT 9

US-09-978-295A-488
Sequence 488, Application US/09978295A
Patent No. US20020156006A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavina, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C11
CURRENT APPLICATION NUMBER: US/09/978,295A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
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PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
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PRIOR FILING DATE: 1998-04-08
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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGRTAENSTSKQFSSNKGNGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLLVTSALAGRGRTAENSTSKQFSSNKGNGVDPQHERIITVSTNGSIHS 60
QY PRPHPTYPNTVLVWRLVAEENWMIQLTFDERFGLEDEPDDICKYDFVEEBSDDGTL 120

DB 61 PRPHPTYPNTVLVWRLVAEENWMIQLTFDERFGLEDEPDDICKYDFVEEBSDDGTL 120
QY 121 GRMGSGTVPKGKQISKGNQIRIRFVSDXYPSPRGFCIHNNIMVPOFTTAVSSVLPSP 180
DB 121 GRMGSGTVPKGKQISKGNQIRIRFVSDXYPSPRGFCIHNNIMVPOFTTAVSSVLPSP 180
QY 181 LPDLNNATITVASTLEDEIRYLEPERMQLDELDYRPTMQLGKAFVGRKSRVVDLNT 240
DB 181 LPDLNNATITVASTLEDEIRYLEPERMQLDELDYRPTMQLGKAFVGRKSRVVDLNT 240
QY 241 LTRERVLVSTCPNPNFVSIRBELKRTDTI FWPQCLLVKRCGNGCACCLNHCNCCQVPSK 300
DB 241 LTRERVLVSTCPNPNFVSIRBELKRTDTI FWPQCLLVKRCGNGCACCLNHCNCCQVPSK 300
QY 301 VTKKHVQLARKPKTVGRGLHSITDVALEHHEBCDVCGRSGTG 345
DB 301 VTKKHVQLARKPKTVGRGLHSITDVALEHHEBCDVCGRSGTG 345

RESULT 10

US-09-978-697-488

Sequence 488, Application US/09978697

Patent No. US20020165284A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerltisen, Mary B.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Guiney, Austen L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Kijavitt, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILE REFERENCE: P2630P1C27

CURRENT FILING DATE: US/09/978,697

PRIOR FILING DATE: 2001-10-16

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/077450

PRIOR FILING DATE: 1998-03-10

PRIOR APPLICATION NUMBER: 60/077632

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077649

1 PRIOR FILING DATE: 1998-03-11
2 PRIOR APPLICATION NUMBER: 60/077791
3 PRIOR FILING DATE: 1998-03-12
4 PRIOR APPLICATION NUMBER: 60/078004
5 PRIOR FILING DATE: 1998-03-13
6 PRIOR APPLICATION NUMBER: 60/078886
7 PRIOR FILING DATE: 1998-03-20
8 PRIOR APPLICATION NUMBER: 60/078936
9 PRIOR FILING DATE: 1998-03-20
10 PRIOR APPLICATION NUMBER: 60/078910
11 PRIOR FILING DATE: 1998-03-20
12 PRIOR APPLICATION NUMBER: 60/078939
13 PRIOR FILING DATE: 1998-03-20
14 PRIOR APPLICATION NUMBER: 60/079294
15 PRIOR FILING DATE: 1998-03-25
16 PRIOR APPLICATION NUMBER: 60/079656
17 PRIOR FILING DATE: 1998-03-26
18 PRIOR APPLICATION NUMBER: 60/079664
19 PRIOR FILING DATE: 1998-03-27
20 PRIOR APPLICATION NUMBER: 60/079689
21 PRIOR FILING DATE: 1998-03-27
22 PRIOR APPLICATION NUMBER: 60/079663
23 PRIOR FILING DATE: 1998-03-27
24 PRIOR APPLICATION NUMBER: 60/079728
25 PRIOR FILING DATE: 1998-03-27
26 PRIOR APPLICATION NUMBER: 60/079786
27 PRIOR FILING DATE: 1998-03-27
28 PRIOR APPLICATION NUMBER: 60/079920
29 PRIOR FILING DATE: 1998-03-30
30 PRIOR APPLICATION NUMBER: 60/079923
31 PRIOR FILING DATE: 1998-03-30
32 PRIOR APPLICATION NUMBER: 60/080105
33 PRIOR FILING DATE: 1998-03-31
34 PRIOR APPLICATION NUMBER: 60/080107
35 PRIOR FILING DATE: 1998-03-31
36 PRIOR APPLICATION NUMBER: 60/080155
37 PRIOR FILING DATE: 1998-03-31
38 PRIOR APPLICATION NUMBER: 60/080194
39 PRIOR FILING DATE: 1998-03-31
40 PRIOR APPLICATION NUMBER: 60/080327
41 PRIOR FILING DATE: 1998-04-01
42 PRIOR APPLICATION NUMBER: 60/080328
43 PRIOR FILING DATE: 1998-04-01
44 PRIOR APPLICATION NUMBER: 60/080333
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46 PRIOR APPLICATION NUMBER: 60/080334
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48 PRIOR APPLICATION NUMBER: 60/081070
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56 PRIOR APPLICATION NUMBER: 60/081203
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61 PRIOR FILING DATE: 1998-04-15
62 PRIOR APPLICATION NUMBER: 60/081817
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64 PRIOR APPLICATION NUMBER: 60/081819
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68 PRIOR APPLICATION NUMBER: 60/081838
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79 PRIOR FILING DATE: 1998-04-22
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87 PRIOR FILING DATE: 1998-04-28
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89 PRIOR FILING DATE: 1998-04-29
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91 PRIOR FILING DATE: 1998-04-29
92 PRIOR APPLICATION NUMBER: 60/083496
93 PRIOR FILING DATE: 1998-04-29
94 PRIOR APPLICATION NUMBER: 60/083499
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122 PRIOR APPLICATION NUMBER: 60/084600
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141 PRIOR FILING DATE: 1998-05-15
142 PRIOR APPLICATION NUMBER: 60/085580
143 PRIOR FILING DATE: 1998-05-15
144 PRIOR APPLICATION NUMBER: 60/085573
145 PRIOR FILING DATE: 1998-05-15
146 PRIOR APPLICATION NUMBER: 60/085704

PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1-8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLLGLLVTSALAGORRGTQAESNLSSKFPSSNKEONGVODPOHERITVSTNGSIHS 60
DB 1 MSLLGLLVTSALAGORRGTQAESNLSSKFPSSNKEONGVODPOHERITVSTNGSIHS 60
QY 61 PRPHPTVPRNVLVWRVLAVERNWIOLTPDERCELEPEDDICKYDVEVEEPPSDGTL 120
DB 61 PRPHPTVPRNVLVWRVLAVERNWIOLTPDERCELEPEDDICKYDVEVEEPPSDGTL 120
QY 121 GRMGSGTVPGKQISKGNQIRIRFVSDYFPSEPCFCHVYINVMPOFTEAVSPVLPSSA 180
DB 121 GRMGSGTVPGKQISKGNQIRIRFVSDYFPSEPCFCHVYINVMPOFTEAVSPVLPSSA 180
QY 181 LPDLINNAITAFSTLEDLIRYLEPERWQDLEDYRPTWQLGKAFVGRKSRVVDLNL 240
DB 181 LPDLINNAITAFSTLEDLIRYLEPERWQDLEDYRPTWQLGKAFVGRKSRVVDLNL 240
QY 241 LTERVRLVSCTPRNSVSIRELKTDTITPFGCLLVRCGNCACCLHNCNCCQVPSK 300
DB 241 LTERVRLVSCTPRNSVSIRELKTDTITPFGCLLVRCGNCACCLHNCNCCQVPSK 300
QY 301 VTKKHEVQLRPKTVGGLHKSITDVALHHEBCDCVCRSGTSG 345
DB 301 VTKKHEVQLRPKTVGGLHKSITDVALHHEBCDCVCRSGTSG 345

RESULT 11

US-09-978-192A-488
Sequence 488, Application US/09978192A
Patent No. US2002017553A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fond, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249
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PRIOR APPLICATION NUMBER: 60/065311
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.4%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1, 8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGQTQAESNLSSKQFSSNKEONGVQDPQHERIITVSTNGSIHS 60
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QY 61 PREPHYPRNTVYVWRLVAENWVQLTDERFGLDEPDDICTDPVVEPSDGTIL 120
DB 61 PREPHYPRNTVYVWRLVAENWVQLTDERFGLDEPDDICTDPVVEPSDGTIL 120
QY 121 GRMGSGTVGKQISKQNOIRIFVDEYPSRPGFCIHNYIMPOFTEAVSPSYLPSSA 180
DB 121 GRMGSGTVGKQISKQNOIRIFVDEYPSRPGFCIHNYIMPOFTEAVSPSYLPSSA 180
QY 181 LPDLINNAITAFSTLEDLIRYLPERRMOLDLDPYPTQQLGKAFVGRKSRVVDLNT 240
DB 181 LPDLINNAITAFSTLEDLIRYLPERRMOLDLDPYPTQQLGKAFVGRKSRVVDLNT 240
QY 241 LTERVLYSTPNSFVSIRREKRTDTIFWPGCLVYKGGACCLHNCOCQPSK 300
DB 241 LTERVLYSTPNSFVSIRREKRTDTIFWPGCLVYKGGACCLHNCOCQPSK 300
QY 301 VTCKHEVQLRPTGVGRLKSLTDVALEHHECCDVCGRSTGG 345
DB 301 VTCKHEVQLRPTGVGRLKSLTDVALEHHECCDVCGRSTGG 345

RESULT 12
US-09-999-832A-488
Sequence 488, Application US/09999832A
Publication No. US20020192706A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eston, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavira, Ivar J.
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APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC3
CURRENT APPLICATION NUMBER: US/09/999, 832A
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
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PRIOR FILING DATE: 1998-04-22
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.64; Score 1851; DB 10; Length 345;
Best Local Similarity 99.44; Pred. No. 1,88-178;
Matches 345; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLNTSALAGRGRTQAESENLSKPOFSNKNKONJYDPOHRIITVSTNGSIHS 60
D 1 MSLEGLLNTSALAGRGRTQAESENLSKPOFSNKNKONJYDPOHRIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVLMWLVAEENWMIQUTDERFGLBDEDDICKYDFVEVEEESDSTIL 120
D 61 PRPHYTPRNTVLMWLVAEENWMIQUTDERFGLBDEDDICKYDFVEVEEESDSTIL 120
QY 121 GRMGSGSTVPGKQSKNOQIRIRVSVSEYPPSEGEFCIHNYIWPOTTEAVSPVLPESA 180
D 121 GRMGSGSTVPGKQSKNOQIRIRVSVSEYPPSEGEFCIHNYIWPOTTEAVSPVLPESA 180
QY 181 LPDLNNATTAFTSLBTLRYLEPERMQLBLYRPTWQLGKAFVPGKSRVVDNL 240
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D 301 VTKKYHEVLQLRPTGTGRGLHKSJTDVALHEHEBCDCVCKSGSTG 345

RESULT 13

US-09-978-189-488
Sequence 488, Application US/09978189
Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Billen
APPLICANT: Fong, Sheeman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tuma, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C7
CURRENT APPLICATION NUMBER: US/09/978,189
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.4%; Score 1851; DB 11; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 61 PRPHYPRNTVYVLMVLVAEENWVITQFDERFGLHEDPDDICTYDFVEVEPSDCTIL 120
DB 61 PRPHYPRNTVYVLMVLVAEENWVITQFDERFGLHEDPDDICTYDFVEVEPSDCTIL 120
QY 121 GRWCGSGTVPGKOISKGNQIRIRFVSDEYFPPSEPGFCIHNYIMVQFTEAVSSVLPESA 180
DB 121 GRWCGSGTVPGKOISKGNQIRIRFVSDEYFPPSEPGFCIHNYIMVQFTEAVSSVLPESA 180
QY 181 LPDLNNNTASTEDLIRYEPERWOLDLDRPTMOLLGX FVGRKSRVDTNL 240
DB 181 LPDLNNNTASTEDLIRYEPERWOLDLDRPTMOLLGX FVGRKSRVDTNL 240
QY 241 LTBEBVLYSGTPNPFVSIREBLKRTDTTFWPGCLLVKRCGNCACCLHNKNCQCVPSK 300
DB 241 LTBEBVLYSGTPNPFVSIREBLKRTDTTFWPGCLLVKRCGNCACCLHNKNCQCVPSK 300
QY 301 VTKKHEVYLQLRKRTGVRLKSLTVYALAHHEBCVCVCGSGTGG 345
DB 301 VTKKHEVYLQLRKRTGVRLKSLTVYALAHHEBCVCVCGSGTGG 345

RESULT 14
US-09-796-753-6

Db 1 MSLEGLLLTSALAGORQGTQABSNLSKQFSSNKEONGVQDPQHERIITVSTNGSIHS 60
Qy 61 PRPHYPRNTVLVWRLVAVENVMIOITFDERFGLDEDEDDICKYDFVEVEPSDGTIL 120
Db 61 PRPHYPRNTVLVWRLVAVENVMIOITFDERFGLDEDEDDICKYDFVEVEPSDGTIL 120
Qy 121 GRWCGSGTVPQKQISKGNQIRIRFVSDEYPPSEBPCIHYNIVMPQTEAVSPSLPPSA 180
Db 121 GRWCGSGTVPQKQISKGNQIRIRFVSDEYPPSEBPCIHYNIVMPQTEAVSPSLPPSA 180
Qy 181 LPIDLNNATAPSTLBDLIRYLEPERWQDLBDLYRPTWQLGKAFVFGKRSRVDLNL 240
Db 181 LPIDLNNATAPSTLBDLIRYLEPERWQDLBDLYRPTWQLGKAFVFGKRSRVDLNL 240
Qy 241 LTEEVRLYSCTPRPFSVSIREBELKRTDTIFWPGCLVYRGGNCAACCLHNCBCCVPSK 300
Db 241 LTEEVRLYSCTPRPFSVSIREBELKRTDTIFWPGCLVYRGGNCAACCLHNCBCCVPSK 300
Qy 301 VTKKYHEVLQLRPTQVGRGLHKSJTDVALHEHBECDCCVCRGSTG 345
Db 301 VTKKYHEVLQLRPTQVGRGLHKSJTDVALHEHBECDCCVCRGSTG 345

Search completed: December 12, 2003, 18:58:27
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 12, 2003, 16:47:23 ; Search time 15 Seconds

(Without alignments)
973.150 Million cell updates/sec

Title: US-09-818-943-2

Perfect score: 1848

Sequence: 1 MLMLGILLTSLAAGRTGT.....DVALEHHEBCDVCYRGNAG 345

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1848	100.0	345	US-09-457-066-43	Sequence 43, Appl
2	1848	100.0	345	US-09-564-595D-35	Sequence 35, Appl
3	1848	100.0	345	US-09-706-968-43	Sequence 43, Appl
4	1667	90.2	345	US-09-040-320D-2	Sequence 2, Appl
5	1667	90.2	345	US-09-457-066-2	Sequence 2, Appl
6	1667	90.2	345	US-09-265-686-2	Sequence 2, Appl
7	1667	90.2	345	US-09-540-224-5	Sequence 5, Appl
8	1667	90.2	345	US-09-564-595D-33	Sequence 33, Appl
9	1667	90.2	345	US-09-706-968-2	Sequence 2, Appl
10	1204.5	65.2	302	US-09-564-595D-57	Sequence 57, Appl
11	1200	64.9	302	US-09-564-595D-54	Sequence 54, Appl
12	1035.5	55.0	317	US-09-564-595D-56	Sequence 56, Appl
13	1019	56.1	316	US-09-564-595D-55	Sequence 55, Appl
14	752	40.7	370	US-09-457-066-37	Sequence 37, Appl
15	752	40.7	370	US-09-540-224-2	Sequence 2, Appl
16	752	40.7	370	US-09-564-595D-2	Sequence 2, Appl
17	752	40.7	370	US-09-706-968-37	Sequence 37, Appl
18	746.5	40.4	370	US-09-540-224-4	Sequence 4, Appl
19	746.5	40.4	370	US-09-564-595D-53	Sequence 53, Appl
20	185	10.0	4	US-09-285-385C-2	Sequence 2, Appl
21	183	9.9	1012	US-09-285-385C-4	Sequence 4, Appl
22	181	9.8	788	US-08-572-325-1	Sequence 1, Appl
23	181	9.8	788	US-09-285-385C-19	Sequence 19, Appl
24	177.5	9.6	730	US-08-872-757-2	Sequence 2, Appl
25	177.5	9.6	730	US-09-850-048A-2	Sequence 2, Appl
26	175	9.5	101	US-09-374-135-6	Sequence 6, Appl
27	172	9.3	922	US-09-116-473-4	Sequence 4, Appl

28	169	9.1	923	3	US-08-936-135-6	Sequence 6, Appl
29	168	9.1	986	3	US-08-872-757-4	Sequence 4, Appl
30	168	9.1	986	4	US-09-850-048A-4	Sequence 4, Appl
31	165	8.9	1013	2	US-08-866-650-3	Sequence 3, Appl
32	165	8.9	1013	2	US-09-021-287-3	Sequence 3, Appl
33	165	8.9	1013	3	US-09-240-473-3	Sequence 3, Appl
34	162	8.8	591	4	US-08-991-408-4	Sequence 4, Appl
35	162	8.8	591	4	US-09-432-473-2	Sequence 4, Appl
36	162	8.8	1013	2	US-08-866-650-5	Sequence 5, Appl
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38	162	8.8	1013	3	US-08-991-408-2	Sequence 2, Appl
39	162	8.8	1013	3	US-09-240-473-5	Sequence 5, Appl
40	162	8.8	1013	4	US-09-432-473-2	Sequence 2, Appl
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42	158	8.5	449	2	US-08-839-008-2	Sequence 2, Appl
43	158	8.5	449	2	US-08-839-008-9	Sequence 9, Appl
44	158	8.5	3623	4	US-09-341-461-2	Sequence 2, Appl
45	156.5	8.5	111	4	US-09-341-461-30	Sequence 30, Appl

ALIGNMENTS

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RESULT 1
US-09-457-066-43
; Sequence 43, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles B.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Sheppard, Kimberly B.
; APPLICANT: Glibertson, Debra G.
; APPLICANT: West, James W.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZYEGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457, 066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 43
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-457-066-43
Query Match 100.0%; Score 1848; DB 4; Length 345;
Best Local Similarity 100.0%; Pred. No. 7.2e-195;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 181 LSLDLNNNAVTAFTLEBLIRYLEPDRWQVDLSLYKPTQLLGKAFLYKSKRVNVL 240
QY 241 LKREYVLYSTPNPNSVSTREBLKRTDTTFWPCCLLVKRCGACACCLNACNCCYPRK 300
DB 241 LKREYVLYSTPNPNSVSTREBLKRTDTTFWPCCLLVKRCGACACCLNACNCCYPRK 300
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Db      301 VTKKXHEVLTQLRPKTGVGKGLHKSJLTDVALLEHNEBCDVCYCRGNAG 345

RESULT 2
US-09-564-595D-35
Sequence 35, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles B.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEBFA
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 35
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-09-564-595D-35

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Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      181 LSLDLNNAVYAFSTLEELIRYLEBDEWQVLDLSYKPTQMQLGKAPLYGKSKVYNNIL 240
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QY      241 LKEBVKLYSCTPRNPFSVSIREEIKRTDTITPFGCLLYRCGNCACCLHNCBCCCPVK 300
Db      241 LKEBVKLYSCTPRNPFSVSIREEIKRTDTITPFGCLLYRCGNCACCLHNCBCCCPVK 300
QY      301 VTKKXHEVLTQLRPKTGVGKGLHKSJLTDVALLEHNEBCDVCYCRGNAG 345
Db      301 VTKKXHEVLTQLRPKTGVGKGLHKSJLTDVALLEHNEBCDVCYCRGNAG 345

RESULT 3
US-09-706-968-43
Sequence 43, Application US/09706968
Patent No. 6528050
GENERAL INFORMATION:
APPLICANT: Gao, Zeren
APPLICANT: Hart, Charles E.
APPLICANT: Piddington, Christopher S.
APPLICANT: Sheppard, Paul O.
APPLICANT: Shoemaker, Kimberly B.
APPLICANT: Gilbertson, Debra G.
APPLICANT: West, James W.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEBFG
FILE REFERENCE: 98-60C1
CURRENT APPLICATION NUMBER: US/09/706,968

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1 CURRENT FILING DATE: 2000-11-06
2 PRIOR APPLICATION NUMBER: US/09/541,752
3 PRIOR FILING DATE: 2000-03-31
4 NUMBER OF SEQ ID NOS: 50
5 SOFTWARE: FastSeq for Windows Version 3.0
6 SEQ ID NO 43
7 LENGTH: 345
8 TYPE: PRT
9 ORGANISM: Mus musculus
10 US-09-706-968-43

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Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0

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DB 1 MLLGLLLTSLAAQRGTGTAESNLSSKQLSDSKQNGVOPRRHRYVTIGNSIHS 60
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QY 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
DB 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
QY 121 GRWCSGTVPGKQTSKGNHRI RFSVDEYFPEBFCIHYSIIMPQVETTSPSVLPPSS 180
DB 121 GRWCSGTVPGKQTSKGNHRI RFSVDEYFPEBFCIHYSIIMPQVETTSPSVLPPSS 180
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DB 181 LSLDLLNNAVTAFTLSEELIYRLSPDRQVDLSLYPTMQLLGKAFYGGKSKVNNML 240
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DB 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
QY 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
DB 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
QY 301 VTKKHRYVLQLRPKTGVGKLGHSITDVALKEHHECDVCCKGNAG 345
DB 301 VTKKHRYVLQLRPKTGVGKLGHSITDVALKEHHECDVCCKGNAG 345

RESULT 4
US-09-040-220D-2
Sequence 2, Application US/09040220D
Patent No. 6391311
GENERAL INFORMATION:
APPLICANT: Kuo, Sophia S.
TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
TITLE OF INVENTION: ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC
TITLE OF INVENTION: PROTEIN I AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,
FILE REFERENCE: P1122
CURRENT APPLICATION NUMBER: US/09/040,220D
CURRENT FILING DATE: 1998-03-17
NUMBER OF SEQ ID NOS: 8
SEQ ID NO 2
LENGTH: 345
TYPE: PRT
ORGANISM: Human
US-09-040-220D-2

Query Match
Best Local Similarity: 90.2%; Score 1667; DB 4; Length 345;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0

QY 1 MLLGLLLTSLAAQRGTGTAESNLSSKQLSDSKQNGVOPRRHRYVTIGNSIHS 60
DB 1 MLLGLLLTSLAAQRGTGTAESNLSSKQLSDSKQNGVOPRRHRYVTIGNSIHS 60
QY 1 MLLGLLLTSLAAQRGTGTAESNLSSKQLSDSKQNGVOPRRHRYVTIGNSIHS 60
DB 1 MLLGLLLTSLAAQRGTGTAESNLSSKQLSDSKQNGVOPRRHRYVTIGNSIHS 60
QY 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
DB 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
QY 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
DB 61 PKRPHTYPRNMVLVRLVAVDENARIQLTFRERGLDEDDEDI CKYDFVVEBSPDSVYL 120
QY 121 GRWCSGTVPGKQTSKGNHRI RFSVDEYFPEBFCIHYSIIMPQVETTSPSVLPPSS 180
DB 121 GRWCSGTVPGKQTSKGNHRI RFSVDEYFPEBFCIHYSIIMPQVETTSPSVLPPSS 180
QY 181 LSLDLLNNAVTAFTLSEELIYRLSPDRQVDLSLYPTMQLLGKAFYGGKSKVNNML 240
DB 181 LSLDLLNNAVTAFTLSEELIYRLSPDRQVDLSLYPTMQLLGKAFYGGKSKVNNML 240
QY 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
DB 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
QY 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
DB 241 LKEEVLVYSCTPRNSVSI REELKRTDTIIFWPGCLVKRCSGACACIHNCECQCVPK 300
QY 301 VTKKHRYVLQLRPKTGVGKLGHSITDVALKEHHECDVCCKGNAG 345
DB 301 VTKKHRYVLQLRPKTGVGKLGHSITDVALKEHHECDVCCKGNAG 345

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QY 121 GRWGSGTVPGKQSKGNHRIKRVSDYPSSESGFCIHYSIIMPQVTTTSPSVLPSS 180
DB 121 GRWGSGTVPGKQSKGNQIRIRVSDYPSSESGFCIHYNIVMPQTEAVSPSVLPSSA 180
QY 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
DB 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
QY 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
DB 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345
DB 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345

RESULT 5
US-09-457-066-2
; Sequence 2, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Geo. Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZYBGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
QY 1 MLILGLLLTSALAGRTGTABSNLSKQLSSDKONGVODPRHRVVTISGNGSIHS 60
DB 1 MSLEGLLLTSALAGRTGTABSNLSKQLSSDKONGVODPRHRVVTISGNGSIHS 60
QY 61 PKPHTYPRNVLVRLVAVDENRITQITDEREGLEDEDDICKYDFVEVEBPSDGL 120
DB 61 PKPHTYPRNVLVRLVAVDENRITQITDEREGLEDEDDICKYDFVEVEBPSDGL 120
QY 121 GRWGSGTVPGKQSKGNHRIKRVSDYPSSESGFCIHYSIIMPQVTTTSPSVLPSS 180
DB 121 GRWGSGTVPGKQSKGNQIRIRVSDYPSSESGFCIHYNIVMPQTEAVSPSVLPSSA 180
QY 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
DB 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
QY 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
DB 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345
DB 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345

RESULT 6
US-09-265-686-2
; Sequence 2, Application US/09265686

Patent No. 6455283
; GENERAL INFORMATION:
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Kuo, Sophia S.
; TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1
; FILE REFERENCE: P1122P2
; CURRENT APPLICATION NUMBER: US/09/265,686
; CURRENT FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: US 09/040,220
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: US 09/184,216
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-265-686-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
QY 1 MLILGLLLTSALAGRTGTABSNLSKQLSSDKONGVODPRHRVVTISGNGSIHS 60
DB 1 MSLEGLLLTSALAGRTGTABSNLSKQLSSDKONGVODPRHRVVTISGNGSIHS 60
QY 61 PKPHTYPRNVLVRLVAVDENRITQITDEREGLEDEDDICKYDFVEVEBPSDGL 120
DB 61 PKPHTYPRNVLVRLVAVDENRITQITDEREGLEDEDDICKYDFVEVEBPSDGL 120
QY 121 GRWGSGTVPGKQSKGNHRIKRVSDYPSSESGFCIHYSIIMPQVTTTSPSVLPSS 180
DB 121 GRWGSGTVPGKQSKGNQIRIRVSDYPSSESGFCIHYNIVMPQTEAVSPSVLPSSA 180
QY 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
DB 181 LSLDILNNAVTAFTSEELRYLEPDRMVDLSLYKPTMQLGKAPLYGKSKSVNLT 240
QY 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
DB 241 LKEBVKLYSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345
DB 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAG 345

RESULT 7
US-09-540-224-5
; Sequence 5, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZYBGF4
; FILE REFERENCE: 00-28
; CURRENT APPLICATION NUMBER: US/09/540,224
; CURRENT FILING DATE: 2000-03-31
; EARLIER APPLICATION NUMBER: US 60/180,169
; EARLIER FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-540-224-5

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGTABSNLSKLTQSSDKQONVDPHRRVVTISGNSIHS 60
 DB 1 MSLLFGLLLTSALAGORGTQAESNLSKTFQSSNKEQNVDPQHERITITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 DB 61 PREPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDLSLYKPTWOLLGKAFLYGKSKVNNLT 240
 DB 181 LPLDLNNATIASTEDLIRYLEPDRMQVDDLSLYKPTWOLLGKAFVGRKSRVVDLNL 240
 QY 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 DB 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 QY 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345
 DB 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345

RESULT 8

US-09-564-595D-33
 ; Sequence 33, Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 ; FILE REFERENCE: 99-19
 ; CURRENT APPLICATION NUMBER: US/09/564,595D
 ; CURRENT FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 09/304,216
 ; PRIOR FILING DATE: 1999-05-03
 ; PRIOR APPLICATION NUMBER: US 60/164,463
 ; PRIOR FILING DATE: 1999-11-10
 ; PRIOR APPLICATION NUMBER: US 60/160,169
 ; PRIOR FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 33
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-564-595D-33

Query Match 90.2%; Score 1667; DB 4; Length 345;
 Best Local Similarity 87.0%; Pred. No. 6.2e-175;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGTABSNLSKLTQSSDKQONVDPHRRVVTISGNSIHS 60
 DB 1 MSLLFGLLLTSALAGORGTQAESNLSKTFQSSNKEQNVDPQHERITITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 DB 61 PREPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDLSLYKPTWOLLGKAFLYGKSKVNNLT 240
 DB 181 LPLDLNNATIASTEDLIRYLEPDRMQVDDLSLYKPTWOLLGKAFVGRKSRVVDLNL 240
 QY 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 DB 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300

DB 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 QY 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345
 DB 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345

RESULT 9

US-09-706-968-2
 ; Sequence 2, Application US/09706968
 ; Patent No. 6528050
 ; GENERAL INFORMATION:
 ; APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: West, James W.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 ; FILE REFERENCE: 98-60C1
 ; CURRENT APPLICATION NUMBER: US/09/706,968
 ; CURRENT FILING DATE: 2000-11-06
 ; PRIOR APPLICATION NUMBER: US/09/541,752
 ; PRIOR FILING DATE: 2000-03-31
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-706-968-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
 Best Local Similarity 87.0%; Pred. No. 6.2e-175;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGTABSNLSKLTQSSDKQONVDPHRRVVTISGNSIHS 60
 DB 1 MSLLFGLLLTSALAGORGTQAESNLSKTFQSSNKEQNVDPQHERITITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 DB 61 PREPHTYPRNMTLVWRLVAVDENVR1QLTFDERFGLJEDPDDICXKDFVVEEPPSGSVL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
 QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDLSLYKPTWOLLGKAFLYGKSKVNNLT 240
 DB 181 LPLDLNNATIASTEDLIRYLEPDRMQVDDLSLYKPTWOLLGKAFVGRKSRVVDLNL 240
 QY 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 DB 241 LKEEVLVYSGTFRNFSVSIREEBKRTDTITFMPGCLLVKRCGNACCLHNCBCCVPSK 300
 QY 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345
 DB 301 VTKKHEVTLQLRPKTGVKGLHKSITDVALHHEBCCVCRGAGG 345

RESULT 10

US-09-564-595D-57
 ; Sequence 57, Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 ; FILE REFERENCE: 99-19

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?
?
? OTHER INFORMATION: fusion polypeptide
US-09-564-595D-57
?
?
?
?
? LENGTH: 303
?
? TYPE: PRT
?
? ORGANISM: Artificial Sequence
?
? FEATURE:
?
? SOFTWARE: PairedSeq for Windows Version 4.0
SEQ ID NO: 57

```

Query Match	65.2%	Score 1204.5	DB 4	Length 303
Best Local Similarity	71.3%	Pred. No. 4.5e-124		
Matches 216	Conservative 42	Mismatches 40	Indels 5	Gaps 3

QY	47	ERVATIGNSIHBPKEPHATYPRNNVLWRLVAOVENVARVOLTPTDERPGLEDEPDCIX	106
		: :	
Db	2	DETIOVGNGVQVSPRPNSYPRNLLTWRLHLS QENTRQOLVFQNGPGLERENDICIX	60
QY	107	DFAVEBESDQSVL--GRWCSGTVPGKQTSKGNHRIRVPVDEYFPPSEPGFCHVSIIT-	163
		: :	
Db	61	DFAVEBESITSTJIRGRMCGHKEVPPRIKSRTNQIKITPKDDDYVAPRGEFIYSLIE	120
QY	164	-MPQVETTSPSVLPSPSSLSIDLNNATAFSTLSELRYLSEPDQRQVOLDISYKRTWOL	222
Db	121	DFOBAASVSFSPVLPSPSALPDLNANNTABSTLEDLRYLSEPKQOLDEDLYRTWOL	180
QY	223	LGRKFLYGGKSKVYNLNLTKSEVLYSCTPRNFSVIREHLKRTDTTIPMGCLYVRCSG	282
		: :	
Db	181	LGRKFPVGRKRKYVDLNLTEBVRLYSCTPRNFSVIREHLKRTDTTIPMGCLYVRCSG	240
QY	283	NCACCLHNCHNCSCQVPRKATKKYHNVLOLRPTGKGLHLSITDVALBHHBECDCVRGN	342
		: :	
Db	241	NCACCLHNCHNCSCQVPRKATKKYHNVLOLRPTGKGLHLSITDVALBHHBECDCVRGS	300
QY	343	AGG 345	
Db	301	TGG 303	

```

1 RESULT 1
2 US-09-564-595D-54
3 Sequence 54, Application US/09564595D
4 Patent No. 6495668
5 GENERAL INFORMATION:
6 APPLICANT: Gilbert, Teresa
7 APPLICANT: Hart, Charles B.
8 APPLICANT: Sheppard, Paul O.
9 TITLE OR INVENTION: GROWTH FACTOR HOMOLOG ZVEGF
10 PILE REFERENCE: 99-19
11 CURRENT APPLICATION NUMBER: US/09/564,595D
12 CURRENT FILING DATE: 2000-05-03
13 PRIOR APPLICATION NUMBER: US 09/304,216
14 PRIOR FILING DATE: 1999-05-03
15 PRIOR APPLICATION NUMBER: US 60/164,463
16 PRIOR FILING DATE: 1999-11-10
17 PRIOR APPLICATION NUMBER: US 60/180,169
18 PRIOR FILING DATE: 2000-02-04
19 NUMBER OF SEQ ID NOS: 57
20 SOFTWARE: FASTSEQ for Windows Version 4.0
21 SEQ ID NO 54
22 LENGTH: 302
23 TYPE: PRT
24 ORGANISM: Artificial Sequence
25 FEATURE:
26 OTHER INFORMATION: fusion polypeptide

```

US-09-564-595D-54

Query Match	64.9%;	Score 1200;	DB 4;	Length 302;
Best Local Similarity	72.4%;	Pred. NO. 1.4e-123;		
Matches 215;	Conservative 35;	Mismatches 43;	Indels 4;	Gaps 2

[illegible]

```

RESULT 2
US-09-564-595D-56
Sequence 56, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles B.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIORITY APPLICATION NUMBER: US 09/304,216
PRIORITY FILING DATE: 1999-05-03
PRIORITY APPLICATION NUMBER: US 60/164,463
PRIORITY FILING DATE: 1999-11-10
PRIORITY APPLICATION NUMBER: US 60/180,169
PRIORITY FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatsSeq for Windows Version 4.0
SEQ ID NO 56
LENGTH: 317
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: fusion polypeptide
US-09-564-595D-56

```

Query Match	56.0%;	Score 1035.5;	DB 4;	Length 317;
Best Local Similarity	60.2%;	Pred. No. 2e-105;		
Matches 192;	Conservative 47;	Mismatches 57;	Indels 23;	Gaps 6

[illegible]

Db 180 SMOEDLEMYLDPRYRGSRV-HDRKSKVVDLMLTBEVLYSCTPRNPSVSIRESLAKT 228
 QY 267 DTFWPGCLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLRPTKVGLHSLTD 326
 Db 239 DTFWPGCLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLRPTKVGLHSLTD 298
 QY 327 VALEHHECDVCVRGNAG 345
 Db 299 VALEHHECDVCVRGNAG 317

RESULT 13

US-09-564-595D-55
 ; Sequence 55; Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles R.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF4
 ; FILE REFERENCE: 99-19
 ; CURRENT APPLICATION NUMBER: US/09/564,595D
 ; CURRENT FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 09/304,216
 ; PRIOR FILING DATE: 1999-05-03
 ; PRIOR APPLICATION NUMBER: US 60/164,463
 ; PRIOR FILING DATE: 1999-11-10
 ; PRIOR APPLICATION NUMBER: US 60/180,169
 ; PRIOR FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 55
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: fusion polypeptide
 ; US-09-564-595D-55

Query Match 55.1%; Score 1019; DB 4; Length 316;
 Best Local Similarity 60.4%; Pred. No. 1.3e-103;

Matches 189; Conservative 41; Mismatches 61; Indels 22; Gaps 5;

QY 46 HERVVTISGNGSIHSPKPTTYPRNNVLAVDENVRIOITPDERFGLDEPDICK 105
 Db 1 HERIITVSTGSIHSPKPTTYPRNNVLAVDENVRIOITPDERFGLDEPDICK 60
 QY 106 YDVEVVEEEDSGSVLGWCGGCTVPGKQSKGNHRIIRFVSDYFPEBPGCHYSTIMP 165
 Db 61 YDVEVVEEEDSGSVLGWCGGCTVPGKQSKGNHRIIRFVSDYFPEBPGCHYSTIMP 120
 QY 166 QVTEI-----TSPSVLPSSISLDLNNAVTAFTLEELIRYLEPDRMQ 209
 Db 121 QVTEIETNMSVTSISGVSYNSPVTDP-TLADALDKIAEPDYEDLKFNPESWQ 179
 QY 210 VDIISLYKPTWQLGKAFLYGKSKVNNLKEEVLKYSTCPNPSVSIRESLAKTDT 269
 Db 180 EDENNYLDPFRYRGSRV-HDRKSK-VDLRLNDADAKYSCTPRNPSVSIRESLAKT 237
 QY 270 FWPGLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLRPTKVGLHSLTD 326
 Db 238 FWPGLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLRPTKVGLHSLTD 297
 QY 327 VALEHHECDVCVC 339
 Db 298 IOLDHHERCDIC 310

RESULT 14

US-09-457-066-37
 ; Sequence 37; Application US/09457066
 ; Patent No. 6432673
 ; GENERAL INFORMATION:

APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles R.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/09/457,066
 ; CURRENT FILING DATE: 1999-12-07
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 37
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-457-066-37

Query Match 40.7%; Score 752; DB 4; Length 370;
 Best Local Similarity 45.3%; Pred. No. 4.3e-74;

Matches 148; Conservative 59; Mismatches 92; Indels 28; Gaps 9;

QY 37 EONGVOD-PRHVVITSGNGSIHSPKPTTYPRNNVLAVDENVRIOITPDERFG 95
 Db 42 ESNHLLDLYRDETQVKNQGVQSPRFPNSYPRNLLTWRLHS-QENTRIQLVFDNCG 100
 QY 96 LDDPEDDCKYDVEVVEEEDSGSVL--GRCGSGTVPGKQSKGNHRIIRFVSDYFPEB 153
 Db 101 LBEAENDICRYDVEVVEEEDSGSVL--GRCGSGTVPGKQSKGNHRIIRFVSDYFPEB 160
 QY 154 PGFCIHYSTI--MPQVTEI-----SPSVLPSSISLDLNNAVTAFT 195
 Db 161 PGFCIHYSTI--MPQVTEI-----SPSVLPSSISLDLNNAVTAFT 219
 QY 196 LBLIRIYEPDRVQVDDLSLYKPTWQLGKAFLYGKSKVNNLKEEVLKYSTCPN 255
 Db 220 VEDLKYFNPESWQEDLEMYLDTPRYRGSRV-HDRKSK-VDLRLNDADAKYSCTPRN 277
 QY 256 SVSIREELKRTDTITPGLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLR 313
 Db 278 SVSIREELKRTDTITPGLLVKRCGNCACCLHNCNCCQCVPRKVTKKYHEVLQLR 337
 QY 314 -KTVGKGLHSLTDVALEHHECDVC 339
 Db 338 IRRGRKATMALVDIOLDHHERCDIC 364

RESULT 15

US-09-540-224-2
 ; Sequence 2; Application US/09540224
 ; Patent No. 6468543
 ; GENERAL INFORMATION:

APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: Hart, Charles R.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; FILE REFERENCE: 00-28
 ; CURRENT APPLICATION NUMBER: US/09/540,224
 ; CURRENT FILING DATE: 2000-03-31
 ; EARLIER APPLICATION NUMBER: US 60/180,169
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-540-224-2

Query Match 40.7%; Score 752; DB 4; Length 370;
 Best Local Similarity 45.3%; Pred. No. 4.3e-74;
 Matches 148; Conservative 59; Mismatches 92; Indels 28; Gaps 9;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:49:23 ; Search time 27 Seconds

(without alignments)
2376.458 Million cell updates/sec

Title: US-09-816-943-2

Perfect score: 1848 1 MLLGLLLTSALAGRTGT.....DVLEHHECDVCYCRNAGG 345

Sequence: 1 MLLGLLLTSALAGRTGT.....DVLEHHECDVCYCRNAGG 345

Scoring table: BLOSUM62

Gapop:10.0, Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/2/pubppa/PTCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubppa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/2/pubppa/US06_PUBCOMB.pep:*

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13: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubppa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubppa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubppa/US10C_NEW_PUB.pep:*

17: /cgn2_6/ptodata/2/pubppa/US60_NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1848	100.0	345	9	US-09-823-033-4
2	1848	100.0	345	9	US-09-816-943-2
3	1848	100.0	345	10	US-09-852-209A-7
4	1848	100.0	345	14	US-10-139-583-43
5	1848	100.0	345	15	US-10-131-600-7
6	1848	100.0	345	15	US-10-264-361-4
7	1667	90.2	345	9	US-09-823-033-2
8	1667	90.2	345	9	US-09-923-995-4
9	1667	90.2	345	10	US-09-795-006A-149
10	1667	90.2	345	10	US-09-978-295A-488
11	1667	90.2	345	10	US-09-978-697-488
12	1667	90.2	345	10	US-09-978-192A-488
13	1667	90.2	345	11	US-09-999-832A-488
14	1667	90.2	345	11	US-09-978-189-488
15	1667	90.2	345	11	US-09-796-753-6

16	1667	90.2	345	11	US-09-978-608A-488	Sequence 488, App
17	1667	90.2	345	11	US-09-978-585A-488	Sequence 488, App
18	1667	90.2	345	11	US-09-978-191A-488	Sequence 488, App
19	1667	90.2	345	11	US-09-978-403A-488	Sequence 488, App
20	1667	90.2	345	11	US-09-978-564A-488	Sequence 488, App
21	1667	90.2	345	11	US-09-999-833A-488	Sequence 488, App
22	1667	90.2	345	11	US-09-981-915A-488	Sequence 488, App
23	1667	90.2	345	11	US-09-978-824-488	Sequence 488, App
24	1667	90.2	345	11	US-09-918-585A-488	Sequence 488, App
25	1667	90.2	345	11	US-09-978-423A-488	Sequence 488, App
26	1667	90.2	345	11	US-09-978-193A-488	Sequence 488, App
27	1667	90.2	345	11	US-09-999-830A-488	Sequence 488, App
28	1667	90.2	345	11	US-09-978-757A-488	Sequence 488, App
29	1667	90.2	345	11	US-09-978-187B-488	Sequence 488, App
30	1667	90.2	345	11	US-09-978-643A-488	Sequence 488, App
31	1667	90.2	345	12	US-09-978-375A-488	Sequence 488, App
32	1667	90.2	345	12	US-09-978-188A-488	Sequence 488, App
33	1667	90.2	345	12	US-09-978-298A-488	Sequence 488, App
34	1667	90.2	345	12	US-10-137-870-286	Sequence 286, App
35	1667	90.2	345	12	US-10-140-018-286	Sequence 286, App
36	1667	90.2	345	12	US-10-140-021-286	Sequence 286, App
37	1667	90.2	345	12	US-10-140-274-286	Sequence 286, App
38	1667	90.2	345	12	US-10-140-471-286	Sequence 286, App
39	1667	90.2	345	12	US-10-140-807-286	Sequence 286, App
40	1667	90.2	345	12	US-10-140-922-286	Sequence 286, App
41	1667	90.2	345	12	US-10-140-924-286	Sequence 286, App
42	1667	90.2	345	12	US-10-140-926-286	Sequence 286, App
43	1667	90.2	345	12	US-10-141-698-286	Sequence 286, App
44	1667	90.2	345	12	US-10-141-702-286	Sequence 286, App
45	1667	90.2	345	12	US-10-141-704-286	Sequence 286, App

ALIGNMENTS

RESULT 1

US-09-823-033-4

Sequence 4, Application US/09823033

Patent No. US20020004225A1

GENERAL INFORMATION:

APPLICANT: Hart, Charles E.

APPLICANT: Gilbertson, Debra G.

TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,

FILE REFERENCE: 00-12

CURRENT APPLICATION NUMBER: US/09/823, 033

CURRENT FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 4

LENGTH: 345

TYPE: PRT

ORGANISM: Mus musculus

US-09-823-033-4

Query Match 100.0%; Score 1848; DB 9; Length 345;

Best Local Similarity 100.0%; Pred. No. 6.8e-174;

Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MLLGLLLTSALAGRTGTGRASNLSSKIQLSDEKQNGVDPRIHRRVTTISGNGSIHS 60
Db	1	MLLGLLLTSALAGRTGTGRASNLSSKIQLSDEKQNGVDPRIHRRVTTISGNGSIHS 60
Qy	61	PKRPHYPRMNVLMRLVAVDENVRQLTFDEKFGLEDPDDICXKDPVVEEPPSSGV 120
Db	61	PKRPHYPRMNVLMRLVAVDENVRQLTFDEKFGLEDPDDICXKDPVVEEPPSSGV 120
Qy	121	GRWGSSTVPGKOTSKGNHRIKRVSDYEPSPGCIHYSIMPOVTTETSSVLPSPS 180
Db	121	GRWGSSTVPGKOTSKGNHRIKRVSDYEPSPGCIHYSIMPOVTTETSSVLPSPS 180
Qy	181	LSLDLNNATPASTBELIRYLEPRWQVDLSLYKPTWOLGKAPLYGKSKRVNLT 240
Db	181	LSLDLNNATPASTBELIRYLEPRWQVDLSLYKPTWOLGKAPLYGKSKRVNLT 240

Db 181 LSLDLNNAVTAFTSTBELIRYLEPDRKQVNDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 Db 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 QY 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345
 Db 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345

RESULT 2
 US-09-818-943-2
 ; Sequence 2, Application US/09818943
 ; Patent No. US20020043987A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ERIKSSON, Ulf
 ; APPLICANT: LI, Kari
 ; APPLICANT: PONTEN, Annica
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F
 ; TITLE OF INVENTION: (PGEF-C) AND USES THEREOF
 ; FILE REFERENCE: 1064/48487
 ; CURRENT APPLICATION NUMBER: US/09/818,943
 ; CURRENT FILING DATE: 2001-03-28
 ; PRIOR APPLICATION NUMBER: US 60/192,507
 ; PRIOR FILING DATE: 2000-03-28
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2
 ; TYPE: PRF
 ; LENGTH: 345
 ; ORGANISM: Murinae gen. sp.
 ; US-09-818-943-2

Query Match 100.0%; Score 1848; DB 9; Length 345;
 Best Local Similarity 100.0%; Pred. No. 6,8e-174;
 Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVVTISGNGSIHS 60
 Db 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVVTISGNGSIHS 60
 QY 61 PKPHTYPRNMLVWRLVAVDENVRIOITPDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 Db 61 PKPHTYPRNMLVWRLVAVDENVRIOITPDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 QY 121 GRWCGSGTVGKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTTSPSYLPPSS 180
 Db 121 GRWCGSGTVGKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTTSPSYLPPSS 180
 QY 181 LSLDLNNAVTAFTSTBELIRYLEPDRKQVNDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 Db 181 LSLDLNNAVTAFTSTBELIRYLEPDRKQVNDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 Db 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 QY 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345
 Db 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345

RESULT 3
 US-09-852-209A-7
 ; Sequence 7, Application US/09852209A
 ; Patent No. US20020164687A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ERIKSSON, Ulf
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; APPLICANT: PONTEN, Annica
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F
 ; TITLE OF INVENTION: (PGEF-C) AND USES THEREOF
 ; FILE REFERENCE: 1064/48487
 ; CURRENT APPLICATION NUMBER: US/09/818,943
 ; CURRENT FILING DATE: 2001-03-28
 ; PRIOR APPLICATION NUMBER: US 60/192,507
 ; PRIOR FILING DATE: 2000-03-28
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2
 ; TYPE: PRF
 ; LENGTH: 345
 ; ORGANISM: Murinae gen. sp.
 ; US-09-818-943-2

APPLICANT: PONTEN, Annica
 APPLICANT: UTELA, Marko
 APPLICANT: ALITALO, Kari
 APPLICANT: OESTMAN, Arne
 APPLICANT: HELDIN, Carl-Henrik
 APPLICANT: BISHOLTZ, Christen
 TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
 TITLE OF INVENTION: THEREFOR, AND USES THEREOF
 FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
 CURRENT APPLICATION NUMBER: US/09/852,209A
 CURRENT FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/410,349
 PRIOR FILING DATE: 1999-09-30
 PRIOR APPLICATION NUMBER: 60/110,749
 PRIOR FILING DATE: 1998-12-03
 PRIOR APPLICATION NUMBER: 60/113,002
 PRIOR FILING DATE: 1998-12-18
 PRIOR APPLICATION NUMBER: 60/135,426
 PRIOR FILING DATE: 1999-05-21
 PRIOR APPLICATION NUMBER: 60/144,022
 PRIOR FILING DATE: 1999-07-15
 NUMBER OF SEQ ID NOS: 39
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 7
 TYPE: PRF
 LENGTH: 345
 ORGANISM: Murinae gen. sp.
 US-09-852-209A-7

Query Match 100.0%; Score 1848; DB 10; Length 345;
 Best Local Similarity 100.0%; Pred. No. 6,8e-174;
 Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVVTISGNGSIHS 60
 Db 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVVTISGNGSIHS 60
 QY 61 PKPHTYPRNMLVWRLVAVDENVRIOITPDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 Db 61 PKPHTYPRNMLVWRLVAVDENVRIOITPDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 QY 121 GRWCGSGTVGKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTTSPSYLPPSS 180
 Db 121 GRWCGSGTVGKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTTSPSYLPPSS 180
 QY 181 LSLDLNNAVTAFTSTBELIRYLEPDRKQVNDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 Db 181 LSLDLNNAVTAFTSTBELIRYLEPDRKQVNDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 Db 241 LKEEVKLVSCTPRNFSVSIREBELKRTDTIFWPGCLLVKRCGNCACCLHNCNECQCVPK 300
 QY 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345
 Db 301 VTKKHEVLOLRPKTVGKGLHKSITDVALHHEBCDVCVRGNAGG 345

RESULT 4
 US-10-139-583-43
 ; Sequence 43, Application US/10139583
 ; Publication No. US20020177193A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: West, James W.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/10/139,583

CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/457,066
PRIOR FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-10-139-583-43

Query Match 100.0%; Score 1848; DB 14; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQGVDPHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
QY 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
QY 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPCGLLYKRCGACACCLNCCNCCQCVPRK 300
DB 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPCGLLYKRCGACACCLNCCNCCQCVPRK 300
QY 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBCDCVCRGNAG 345
DB 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBCDCVCRGNAG 345

RESULT 5
US-10-131-600-7
Sequence 7, Application US/10131600
Publication No. US20030082670A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASER, Karin
APPLICANT: LSE, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: TUTELA, Marko
APPLICANT: ALITALO, Kari
APPLICANT: ORSTMAN, Arne
APPLICANT: HEIDIN, Carl-Heinrik
APPLICANT: BERTSOLT, Christel
TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
FILE REFERENCE: 09-410349-Eriksson et al.-1064-44740
CURRENT APPLICATION NUMBER: US/10/131,600
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/410,349
PRIOR FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: 60/108,109
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/110,749
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: 60/113,002
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 60/135,426
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/144,022
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 7
LENGTH: 345
TYPE: PRT
ORGANISM: Murinae gen. sp.
US-10-131-600-7

Query Match 100.0%; Score 1848; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQGVDPHRRVVTISGNSIHS 60
DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQGVDPHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
QY 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
QY 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPCGLLYKRCGACACCLNCCNCCQCVPRK 300
DB 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPCGLLYKRCGACACCLNCCNCCQCVPRK 300
QY 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBCDCVCRGNAG 345
DB 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBCDCVCRGNAG 345

RESULT 6
US-10-264-361-4
Sequence 4, Application US/10264361
Publication No. US20030087870A1
GENERAL INFORMATION:
APPLICANT: GILBERTSON, Debra G.
TITLE OF INVENTION: METHOD OF TREATING FIBROSIS
FILE REFERENCE: 00-53
CURRENT APPLICATION NUMBER: US/10/264,361
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: US/09/695,121
PRIOR FILING DATE: 2000-10-23
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-10-264-361-4

Query Match 100.0%; Score 1848; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQGVDPHRRVVTISGNSIHS 60
DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQGVDPHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXDFEVEEPPSDGSL 120
QY 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGGTVPKQTSKGNHRIIRFVSDEYFSPGFCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLINNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240

Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
 QY 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345
 Db 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345

RESULT 7

US-09-823-033-2
 ; Sequence 2, Application US/09823033
 ; Patent No. US20020004225A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hart, Charles B.
 ; APPLICANT: Gilbertson, Debra G.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; FILE REFERENCE: 00-12
 ; CURRENT APPLICATION NUMBER: US/09/823.033
 ; CURRENT FILING DATE: 2001-03-29
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-823-033-2

Query Match 90.2%; Score 1667; DB 9; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5.2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGRASNSLSKQLSDSKQNVODPRHRYVTTISGNSIHS 60
 Db 1 MSFLGLLLTSALAGRTGRASNSLSKQFSSNKEQNVODPHERITVSTNGSIHS 60
 QY 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 QY 121 GRWGSCTVPGKQTSKGNHRIKRVSDYFPPSPGFCIHYSIIMPVETTSPTSPVPS 180
 Db 121 GRWGSCTVPGKQTSKGNQIRIFVSDYFPPSPGFCIHYNIMVPOFEAVSPVLPESA 180
 QY 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
 Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
 QY 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345
 Db 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345

RESULT 8

US-09-923-995-4
 ; Sequence 4, Application US/09923995
 ; Patent No. US20020081700A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE ZSNKI
 ; FILE REFERENCE: 00-47
 ; CURRENT APPLICATION NUMBER: US/09/923.995
 ; CURRENT FILING DATE: 2001-08-07
 ; PRIOR APPLICATION NUMBER: US 60/223,164
 ; PRIOR FILING DATE: 2000-08-07
 ; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-923-995-4

Query Match 90.2%; Score 1667; DB 9; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5.2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGRASNSLSKQLSDSKQNVODPRHRYVTTISGNSIHS 60
 Db 1 MSFLGLLLTSALAGRTGRASNSLSKQFSSNKEQNVODPHERITVSTNGSIHS 60
 QY 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 QY 121 GRWGSCTVPGKQTSKGNHRIKRVSDYFPPSPGFCIHYSIIMPVETTSPTSPVPS 180
 Db 121 GRWGSCTVPGKQTSKGNQIRIFVSDYFPPSPGFCIHYNIMVPOFEAVSPVLPESA 180
 QY 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
 Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
 QY 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNPSVSIRELKRDTTIFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345
 Db 301 VTKKYHVLQLRPTKGVGKGLKSLTDVLALEHHEBCDCVCRGNAG 345

RESULT 9

US-09-795-006A-149
 ; Sequence 149, Application US/09795006A
 ; Patent No. US20020151680A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Altaleo et al
 ; TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
 ; FILE REFERENCE: 28967/35977B
 ; CURRENT APPLICATION NUMBER: US/09/795.006A
 ; CURRENT FILING DATE: 2001-02-26
 ; PRIOR APPLICATION NUMBER: US 60/205,331
 ; PRIOR FILING DATE: 2000-05-18
 ; PRIOR APPLICATION NUMBER: US 60/185,205
 ; PRIOR FILING DATE: 2000-02-25
 ; NUMBER OF SEQ ID NOS: 175
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 149
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-795-006A-149

Query Match 90.2%; Score 1667; DB 10; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5.2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGRASNSLSKQLSDSKQNVODPRHRYVTTISGNSIHS 60
 Db 1 MSFLGLLLTSALAGRTGRASNSLSKQFSSNKEQNVODPHERITVSTNGSIHS 60
 QY 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNMTLVWRLVAVDENVRILTDEFGLEDEDDICXDPFVEVEEPPSDGTYL 120
 QY 121 GRWGSCTVPGKQTSKGNHRIKRVSDYFPPSPGFCIHYSIIMPVETTSPTSPVPS 180
 Db 121 GRWGSCTVPGKQTSKGNHRIKRVSDYFPPSPGFCIHYSIIMPVETTSPTSPVPS 180

Db 121 GRMGSGTGVGKQISKNOIRIRFVSDEYFPESEBFCIHNYIMVQFTAVSPSLPSSA 180
Qy 181 LSLDLNNATVASTLEELIRYLEPPRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
Db 181 LPLDLNNATVASTLEELIRYLEPPRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
Qy 241 LKERVKLYSCPTNPFVSISBELKRTDTTWPGCLLYKCGGACCLANCMQCQVPRK 300
Db 241 LTRERVLRYSCPTNPFVSISBELKRTDTTWPGCLLYKCGGACCLANCMQCQVPSK 300
Qy 301 VTKKHYVLLRPRTGVGKHSKLTVALFHHHECCDVCNMG 345
Db 301 VTKKHYVLLRPRTGVGKHSKLTVALFHHHECCDVCNMG 345

RESULT 10

US-09-978-295A-488
Sequence 488, Application US/09978295A
Patent No. US20020156006A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Katon, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gettisen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILR REFERENCE: P2630P1C11
CURRENT APPLICATION NUMBER: US/09/978,295A
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004

PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
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PRIOR APPLICATION NUMBER: 60/079663
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PRIOR FILING DATE: 1998-03-31
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PRIOR FILING DATE: 1998-03-31
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PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22

PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
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PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 10; Length 345;

Best Local Similarity 87.0%; Pred. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
Qy 1 MLLGLLLTSALAGRTGRASNSISSKQLASDCKRONVQDPHRRVYTIGNSIHS 60
Db 1 MSPLGILLTSALAGRGQAGQASNSISKQFSSNKNQONVQDPHRRITVTSNHS 60
Qy 61 PKPHTYPRNMVLMRLVAVDENVRIOLEDERFGLEDPEDDICKDFVEVEPSDSVL 120
Db 61 PRPHYTPRNTVLMRLVAVDENVRIOLEDERFGLEDPEDDICKDFVEVEPSDSVL 120
Qy 121 GRWCGSTGVGKTSKGNHRIKRVSDYPPSPGFCIHSITMPQVETTSBVLPPSS 180
Db 121 GRWCGSTGVGKTSKGNHRIKRVSDYPPSPGFCIHSITMPQVETTSBVLPPSS 180
Qy 181 LSLDILNNATVATSTBELIRLYEPDRWQVDSLKPTQQLGKAFLYKSKRVNVLN 240
Db 181 LPLDILNNATVATSTBELIRLYEPDRWQVDSLKPTQQLGKAFLYKSKRVNVLN 240
Qy 241 LKBEVKLYSCTPNPNFSVSIKRLKRTDTTFWPGCLLVKRCGNCACCLAHNCNQCVPK 300
Db 241 LKEEVRLYSCTPNPNFSVSIKRLKRTDTTFWPGCLLVKRCGNCACCLAHNCNQCVPK 300
Qy 301 VTKKHEVQLRPRTGVGLHKSJLVYALHHEECDCVCGNAGG 345
Db 301 VTKKHEVQLRPRTGVGLHKSJLVYALHHEECDCVCGNAGG 345
RESULT 11
US-09-978-697-488
Sequence 488, Application US/09978697
Patent No. US20020169284A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C27
CURRENT APPLICATION NUMBER: US/09/978,697
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918565
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13

PRIOR FILING DATE:	1997-11-21
PRIOR APPLICATION NUMBER:	60/066354
PRIOR FILING DATE:	1998-03-10
PRIOR APPLICATION NUMBER:	60/077450
PRIOR FILING DATE:	1998-03-10
PRIOR APPLICATION NUMBER:	60/077652
PRIOR FILING DATE:	1998-03-11
PRIOR APPLICATION NUMBER:	60/077641
PRIOR FILING DATE:	1998-03-11
PRIOR APPLICATION NUMBER:	60/077649
PRIOR FILING DATE:	1998-03-11
PRIOR APPLICATION NUMBER:	60/077791
PRIOR FILING DATE:	1998-03-12
PRIOR APPLICATION NUMBER:	60/078004
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/078910
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/078939
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/079254
PRIOR FILING DATE:	1998-03-25
PRIOR APPLICATION NUMBER:	60/079565
PRIOR FILING DATE:	1998-03-26
PRIOR APPLICATION NUMBER:	60/079654
PRIOR FILING DATE:	1998-03-27
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PRIOR FILING DATE:	1998-03-27
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PRIOR FILING DATE:	1998-03-27
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PRIOR FILING DATE:	1998-03-27
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PRIOR FILING DATE:	1998-03-30
PRIOR APPLICATION NUMBER:	60/079923
PRIOR FILING DATE:	1998-03-30
PRIOR APPLICATION NUMBER:	60/080105
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080107
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080165
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080194
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080327
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/080328
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/080333
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/080334
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/081070
PRIOR FILING DATE:	1998-04-08
PRIOR APPLICATION NUMBER:	60/081049
PRIOR FILING DATE:	1998-04-08
PRIOR APPLICATION NUMBER:	60/081120
PRIOR FILING DATE:	1998-04-09
PRIOR APPLICATION NUMBER:	60/081229
PRIOR FILING DATE:	1998-04-09
PRIOR APPLICATION NUMBER:	60/081955
PRIOR FILING DATE:	1998-04-15
PRIOR APPLICATION NUMBER:	60/081817
PRIOR FILING DATE:	1998-04-15
PRIOR APPLICATION NUMBER:	60/081819

[illegible]

PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 10; Length 345;
Best Local Similarity 87.0%; Pred. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLLSALAGORTGRABSNLSKLOSDKXONVOPRHRVVTIGNGSIHS 60
DB 1 MSLFGLLLTSALAGOGTQOAESNLSKFOSSNKNQVOPQHRITVSTNGSIHS 60
QY 61 PRPHYTPRNVVLVWRLVAVDENVRIOITFDERFGLEDPRDDICKYDFVEBPSDGLV 120
DB 61 PRPHYTPRNVVLVWRLVAVDENVRIOITFDERFGLEDPRDDICKYDFVEBPSDGLV 120
QY 121 GRWGSSTVPGKOTSKGNHRIKRVSDYPPSEBFGCIHYSIIMPQVTKTSPSVLPSS 180
DB 121 GRWGSSTVPGKOTSKGNHRIKRVSDYPPSEBFGCIHYNIWMPQTEAVSPSVLPSSA 180
QY 181 LSLDLNNNAVTAFTSEELRYLEPPDNOVDLSLYPTQLGKATLYKSKSVNNVLN 240
DB 181 LSLDLNNNAVTAFTSEELRYLEPPDNOVDLSLYPTQLGKATLYKSKSVNNVLN 240
QY 241 LKEEVKLYSCTPNFVSISIEELKRTDTIIPGCLVYKRGKACACCHNCNCCQVPRK 300
DB 241 LKEEVKLYSCTPNFVSISIEELKRTDTIIPGCLVYKRGKACACCHNCNCCQVPRK 300
QY 301 VTKKHEVLOLRPRYGVKGLKSLTDVALHHEBCDVCCKGMMGG 345
DB 301 VTKKHEVLOLRPRYGVKGLKSLTDVALHHEBCDVCCKGMMGG 345

RESULT 12

US-09-978-192A-488
Sequence 488, Application US/09978192A
Patent No. US2002017553A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavich, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumes, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 10; Length 345;
Best Local Similarity 87.0%; Pred. No. 5, 2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGTRAFSNTSSKLOLSDEKQNGVDPFRHRYVTISGNGSIHS 60
1 MSIFGLLLTSALAGORGTQAESNTSSKQFSSNKNQNGVDPFRHRYVTISGNGSIHS 60
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QY 61 PRPHYPRMVTVMVLVNDENVRIOLFDERPGLEDPEDDICKYDFVVEBPSDSYL 120
61 PRPHYPRMVTVMVLVNDENVRIOLFDERPGLEDPEDDICKYDFVVEBPSDSYL 120
DB :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 120
QY 121 GRWGSQTVGKQTSKGNHRIKRVFVDEYPPSPGCIHYSIIMPVETTSVYLPSS 180
121 GRWGSQTVGKQTSKGNHRIKRVFVDEYPPSPGCIHYSIIMPVETTSVYLPSS 180
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QY 181 LSLDLNNAVTAFTSEBIRLYLEPDRMVDLSLYKPTMQLLKAFLYKSKSRVYVNTL 240
181 LSLDLNNAVTAFTSEBIRLYLEPDRMVDLSLYKPTMQLLKAFLYKSKSRVYVNTL 240
DB :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 240
QY 241 LKEEVLXSTPNPFSVSIRBEIKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
241 LKEEVLXSTPNPFSVSIRBEIKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
DB :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 300
QY 301 VTCKHEVQLRPKTVGKGLHKSGLTDVALEHHEBCDVCNGNAG 345
301 VTCKHEVQLRPKTVGKGLHKSGLTDVALEHHEBCDVCNGNAG 345
DB :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 345

RESULT 13
US-09-832A-488
Sequence 488, Application US/09999832A
Publication No. US20020192706A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P26301PC3
CURRENT APPLICATION NUMBER: US/09/999, 832A
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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Query Match 90.24; Score 1667; DB 10; Length 345;

Best Local Similarity 87.04; Pred. No. 5,2e-156; Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

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DB 1 MSIFGLLLTSALAGOGTQASNSLSKQFSNNKQNGVODPRHRITVTSNGSIHS 60
QY 61 PREPHYPRMUTVMRLVANDENVRITQTDERRFGLEDPEDDICTDPRVVEBPSGVL 120
DB 61 PREPHYPRMUTVMRLVANDENVRITQTDERRFGLEDPEDDICTDPRVVEBPSDGTIL 120
QY 121 GRWCGSGTVPGKOTSKGNHIRIRFVSDPEPSPGFCIHTSIIMPVOTETTSPLPPSS 180
DB 121 GRWCGSGTVPGKOTSKGNHIRIRFVSDPEPSPGFCIHTSIIMPVOTETTSPLPPSS 180
QY 181 LSLDLLNNAVTAFTSEELIRYLEPDRMOYDLSLKYPTWQLGKAFLYGKSKVNL 240
DB 181 LSLDLLNNAVTAFTSEELIRYLEPDRMOYDLSLKYPTWQLGKAFVPERKSRVVDNL 240
QY 241 LKEEVLYSTCPNPNFSISIEELKRTTITWPGCLLYKRCGACCACTHNCNCCQCPRK 300
DB 241 LKEEVLYSTCPNPNFSISIEELKRTTITWPGCLLYKRCGACCACTHNCNCCQCPRK 300
QY 301 VTKKHEVLTQRPRTGVKGLHKSITDVALHEHNECCDVCNAGG 345
DB 301 VTKKHEVLTQRPRTGVKGLHKSITDVALHEHNECCDVCNAGG 345

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RESULT 14

US-09-978-189-488

; Sequence 488, Application US/09978189

; Publication No. US20030004102A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

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; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerbert, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
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; APPLICANT: Kijavitt, Ivan J.
; APPLICANT: Kuo, Sophia S.
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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C7
; CURRENT APPLICATION NUMBER: US/09/978,189
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/018585
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 11; Length 345;
Best Local Similarity 87.0%; Pled. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLITLSALAGRTGTRASNSLSKQLQSDRXONGVOPRRERYVTIGNGSIHS 60
DB 1 MSFLGLLITLSALAGRTGTRASNSLSKQLQSDRXONGVOPRRERYVTIGNGSIHS 60
QY 61 PKPPTTPRNNVLMVLVAVDENVRIOQLTDERFGLBDEDDICXDPYVEEPPSGSVL 120
DB 61 PRPPTTPRNNVLMVLVAVDENVRIOQLTDERFGLBDEDDICXDPYVEEPPSGSVL 120
QY 121 GRWGGGTVPKGTSGNHRIRFVSDXPPSPRGCHYSLIMPOTETTSPLVPPSS 180
DB 121 GRWGGGTVPKGTSGNHRIRFVSDXPPSPRGCHYSLIMPOTETTSPLVPPSS 180
QY 181 LSLDLLNNVTAESTLEELIRYLAPDRWQVLDLSTYKPTWOLLGKAFLYGKSKSVNNL 240
DB 181 LPLDLLNNVTAESTLEELIRYLAPDRWQVLDLSTYKPTWOLLGKAFVGRKSRVVDNL 240
QY 241 LKEEVLYSGTSPNPSVSIRESIKRTDTI FWRGCLLYKCGGACACLNHCECCVPRK 300
DB 241 LKEEVLYSGTSPNPSVSIRESIKRTDTI FWRGCLLYKCGGACACLNHCECCVPRK 300

DB 241 LTRVLYSTPRNPSVSIRESLKRDTTFWPGCLLVKRCGNCACCLHNCNECQCVPSK 300
QY 301 VTKYHEVQLARPKTVGKGLHSLTDVALHHEHCDCVCGNAGG 345
DB 301 VTKYHEVQLARPKTVGKGLHSLTDVALHHEHCDCVCGNAGG 345
RESULT 15
US-09-796-753-6
Sequence 6, Application US/09796753
Publication No. US2003027998A1
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-227-999
CURRENT FILING DATE: US/09/796,753
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 09/183,175
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 09/223,094
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/223,546
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/224,246
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/259,388
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/122,458
PRIOR FILING DATE: 1999-03-01
PRIOR APPLICATION NUMBER: 09/312,359
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/336,536
PRIOR FILING DATE: 1999-06-18
PRIOR APPLICATION NUMBER: 09/342,687
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 09/345,464
PRIOR FILING DATE: 1999-06-30
PRIOR APPLICATION NUMBER: 09/365,164
PRIOR FILING DATE: 1999-07-30
PRIOR APPLICATION NUMBER: 09/399,723
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 09/409,634
PRIOR FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: 09/471,179
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 09/474,071
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/474,072
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/514,010
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: 09/516,745
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/572,002
PRIOR FILING DATE: 2000-05-14
PRIOR APPLICATION NUMBER: 09/597,993
PRIOR FILING DATE: 2000-06-19
PRIOR APPLICATION NUMBER: 09/599,596
PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: 09/630,334
PRIOR FILING DATE: 2000-07-31
PRIOR APPLICATION NUMBER: 09/606,565
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: 09/606,317
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: 09/665,666
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: 09/677,751
PRIOR FILING DATE: 2000-09-30
NUMBER OF SEQ ID NOS: 162
SEQ ID NO 6
LENGTH: 345
TYPE: PRT

ORGANISM: Homo sapiens
US-09-796-753-6
Query Match 90.2%; Score 1667; DB 11; Length 345;
Best Local Similarity 87.0%; Pred. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
QY 1 MLLIGLLLSALAGORTGRASNLSSKQLQSSDRKONGVODPRHRYVTIGNGSIHS 60
DB 1 MSLFGILLLSALAGORQGTQAESNLSSKFPSSNNEQGVDPQHERIITVSTNGSIHS 60
QY 61 PRPHPTYPRTVYVWRLVAVDENVRQLTFDERFGLEDPEDDI CKYDFVVEBSPDSVLT 120
DB 61 PRPHPTYPRTVYVWRLVAVDENVRQLTFDERFGLEDPEDDI CKYDFVVEBSPDSVLT 120
QY 121 GRWCGGTVPKGTSTKGNHRIHFVSDVEYPPSPGFCIHYSITMPQYETTSVSLPPSS 180
DB 121 GRWCGGTVPKGTSTKGNHRIHFVSDVEYPPSPGFCIHYSITMPQYETTSVSLPPSS 180
QY 181 LSLDLNNNAVTAFTSEELIRYLEPDMOWDLSLYKPTWQLGKAFLYGKSKVYVNL 240
DB 181 LSLDLNNNAVTAFTSEELIRYLEPDMOWDLSLYKPTWQLGKAFLYGKSKVYVNL 240
QY 241 LKEEVLYSCTPRNPSVSIRESLKRDTTFWPGCLLVKRCGNCACCLHNCNECQCVPSK 300
DB 241 LTRVLYSTPRNPSVSIRESLKRDTTFWPGCLLVKRCGNCACCLHNCNECQCVPSK 300
QY 301 VTKYHEVQLARPKTVGKGLHSLTDVALHHEHCDCVCGNAGG 345
DB 301 VTKYHEVQLARPKTVGKGLHSLTDVALHHEHCDCVCGNAGG 345

Search completed: December 12, 2003, 18:58:28
Job time : 28 secs